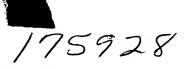
STIC-Biotech/ChemLib



From:

Mertz, Prema

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Please search SEQ ID NO:6 with protein databases.

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Prema Mertz, Ph.D., J.D.
Primary Examiner
Art Unit 1646
4D81 Remsen Bldg Mailbox 4C70
US Patent & Trademark Office
Tel # (571) 272-0876
FAX # (571) 273-0876

Searcher:
Searcher Phone:
Date Searcher Picked up:
Date completed:
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Type of Search

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S/L:____Oligomer:____

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Q6DUK4_PIG
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Q8HYQ3_MACMU
Q8HYQ3_MACMU
CCL3_HUMAN
CCL4_MOUSE
Q0HYB4_HUMAN
CCL4_RABIT
Q4VSK4_RABIT
Q6RSB0_HUMAN
Q53YA5_HUMAN
Q52TLO_SIGHI
CCL4_RAT
Q6NSB0_HUMAN
Q91ZLO_SIGHI
CCL4_RAT
Q6NSB0_HUMAN
Q91ZLO_SIGHI
CCL4_RAT
Q6NSB0_HUMAN
Q91ZLO_SIGHI
CCL4_RAT
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PARRARA REPRESENTATION OF THE PROPERTY OF THE	RESU CCL1	
CCL14 Q1620 01-NO 01-NO 10-NO	SULT 1	60000000000000000000000000000000000000
CCL14 HUMAN ST. Q16627; Q13954; O1-NOV-1997 (Rel. O1-NOV-1997 (Rel	HUMAN	200.5 195 191.5 187.5 187.5 187.5 176 176 176 177 172 172 172.5
CCLL14 HUMAN STANDARD; Q16627; Q13954; O1-NOV-1997 (Rel. 35, Created) O1-NOV-1997 (Rel. 35, Last sequen 10-NAY-2005 (Rel. 47, Last annotas Small inducible cytokine Al4 prec (HCC-1/HCC-3) (HCC-1(1-74)) (NCC- 74); HCC-1(9-74)]. Name=CCL14; Synonyms=NCC2, SCYAl4 HOMO sapiens (Human). RUBLITESP6136773; PubMed=8551235; CALLZ-KNAPPE P., Maegert HJ., KNEDLINE-96136773; PubMed=8551235; Schulz-Knappe P., Maegert HJ., KNEDLINE-96136773; PubMed=8551235; Schulz-Knappe P., Maegert HJ., KNEDES M., Tomeczkowski J., Kirc Kist A., Reinecke M., Sillard R., Baggiolini M., Forssmann WG.; "HCC-1, a novel chemokine from hu J. Exp. Med. 183:295-299(1996). NUCLEOTIDE SEQUENCE. TISSUE-Liver; PTOC. Natl. Acad. Sci. U.S.A. 95: MEDLINE-98263352; PubMed-9600961; MEDLINE-9928475; PubMed-960961; Pardigol A., Forssmann U., Zucht Schulz-Knappe P., Baggiolini M., "HCC-2, a human chemokine: gene s biological activity."; PTOC. Natl. Acad. Sci. U.S.A. 95: [3] NUCLEOTIDE SEQUENCE. MEDLINE-9928475; PubMed-10213461 Nomiyama H., Fukuda S., Iio M., T "Organization of the chemokine ge 17411.2 containing the genes for RANTES:", J. Interferon Cytokine Res. 19:22 [4] NUCLEOTIDE SEQUENCE [LARGE SCALE TISSUE-Pancreas, and Spleen; MEDLINE-22388257; PubMed-12477932 Strausberg R.L., Peingold E.A., G Klausner R.D., Collins F.S., Wagn Altschul S.F., Zeeberg B., Buetow Hopkins R.F., Jordan H., Moore T. Diatchenko L., Marusina K., Farme Stapleton M., Soares M.B., Bonald Brownstein M.J., Usdin T.B., Tosh	·	4444444445.000 1111111111111111111111111111111111
STANDARD; PR standard; PR sl. 35, Created) sl. 47, Last seque: sl. 47, Last annot: cytokine Al4 pre- scoa; Chordata; Cr rrow; pubMed=9551235 c, Maegert HJ.; neczkowski J., Kir chemokine from h sl:295-299(1996). TENCE. Forsmann WG.; chemokine: gene strity:"; may bubMed=960961 sl; pubMed=960961 chemokine: gene strity:"; may bubMed=1021346 chuda S., Iio M., of the chemokine gene strity:"; spubMed=1021346 chuda S., Iio M., of the chemokine gene strity:"; spubMed=1021346 chuda S., Iio M., of the chemokine gene strity:"; spubMed=1021346 chuda S., Iio M., of the chemokine gene strity:"; spubMed=1021346 chuda S., Iio M., of the chemokine gene strity:"; spubMed=1021346 chuda S., Iio M., of the chemokine gene strity:"; spubMed=1021346 chuda S., Iio M., of the chemokine gene strity:"; spubMed=1021346 chuda S., Iio M., of the chemokine gene strity:"; spubMed=1021346 chuda S., Iio M., of the chemokine gene strity:", spand Spleen; cytokine Res. 19:2		92 85 87 87 88 88 92 120 120 120 120 120 191 91 91 91
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Q16627; Q13954; Q14627; Q13954; Q1-NOV-1997 (Rel. 35, Created) O1-NOV-1997 (Rel. 35, Last sequence update) 10-MAY-2005 (Rel. 47, Last annotation update) 10-MAY-2005 (Rel. 47, Last annotation update) small inducible cytokine Al4 precursor (CCL14 (HCC-1/HCC-3) (HCC-1(1-74)) (NCC-2) (Contains 74); HCC-1(9-74)]. Name=CCL14; Synonyms=NCC2, SCYAl4; Homo sapiens (Human). Eukaryota; Metazoa; Chordata; Craniata; Verte Mammalia; Butheria; Buarchontoglires; Primate Homo. NUCLEOTIDE SEQUENCE, AND PROTEIN SEQUENCE OF PISSUS=Bone marrow; MCDLINE=9613673; PubMed=8551235; DOI=10.1084 Schulz-Knappe P., Maegert HJ., Dewald B., M Kubbies M., Tomeczkowski J., Kirchhoff K., Ra Kist A., Reinecke M., Sillard R., Pardigol A., Raggiolini M., Forssmann WG.; "HCC-1, a novel chemokine from human plasma." HCC-1, a novel chemokine from human plasma." HCC-1, a novel chemokine from human plasma." J. Exp. Med. 183:295-299(1996). NUCLEOTIDE SEQUENCE. TISSUE=Liver; MCC-2, a human chemokine: gene structure, ex biological activity."; Proc. Natl. Acad. Sci. U.S.A. 95:6308-6313(19 NUCLEOTIDE SEQUENCE MEDLINE=9926475; PubMed=10213461; DOI=10.1073 MEDLINE=9226475; PubMed=10213461; DOI=10.108 Nomiyama H., Fukuda S., Iio M., Tanase S., Mi "Organization of the chemokine gene cluster c 17411.2 containing the genes for CC chemokine RNATES."; J. Interferon Cytokine Res. 19:227-234(1999). 14) NUCLEOTIDE SEQUENCE [LARGE SCALE MENA] (ISOFO TISSUE=Pancreas, and Spleen; MSDLINE=9224419; PubMed=10213461; DOI=10.107 Strausberg R.L., Peingold E.A., Grouse L.H., Klausner R.D., Collins F.S., Wagner L., Shenn Altechenko L., Marusina K., Farmer A.A., Rubi Stapleton M., Soares M.B., Bonaldo M.F., Case Brownstein M.J., Usdin T.B., Toshiyuki S., Case	ALIGNMENTS	QSQNWO MOUSE QBOXGS PERMA CCL3 RAT QSOEM HUMAN CCL18 MACMU QS1265 SIGHI QBHYN3 MACMU CCL23 HUMAN QS2LD4 HUMAN QS2LD4 HUMAN QS61C2 ONCMY CCL5 HORSE CCL5 HUMAN QS9Y71 MESAU Q8K477 RAT
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okine CC-1, (3-74); HCX (3-74); HCX (3-74); HCX rrhini; Hor rrhini; Hor rrhini; Hor from M., Adermann lioni M., Adermann M., Adermann M., Adermann M., Adermann M., HCC-2, Li., Bhat N., Bhat N., Bhat N., Hong L., Schuler (J., Biah R.), Heigh F., Prange P., Prange		Q5qnw0 Q80x29 P50x29 Q50em7 Q50em7 Q8hyp8 Q8hyn3 Q8hyn3 P55773 Q8h4ic2 Q84ic2 Q8mkd0 P13501 Q5pyi1 Q8k477
ookine CC-1/CC-3) (3-74); HCC-1(4- Euteleostomi; Errhini; Hominidae; Cetin Y., Adermann K., ioni M.,		mus musculu peromyscus rattus norv homo sapien macaca mula sigmodon hi macaca mula homo sapien tomo sapien mesocricetu rattus norv

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RP PROTEST SEQUENCE OF 20-48, IDENTIFICATION OF HCC-1(9-74), MASS

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BYBELLULIAR LOCATION: Secreted.

CC Name-HCC-1:
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[5]

FROTEIN SEQUENCE OF 20-32, IDENTIFICATION OF HCC-1 (3-74) AND PROTEIN SEQUENCE OF 20-32, IDENTIFICATION OF HCC-1 (3-74) AND HCC-1 (4-74), MASS SPECTROMETRY, AND CARBOHYDRATE-LINKAGE SITE SER-26.

PubMed=10978165; DOI=10. 10.1021/bi992488q; Richter R., Schulz-Knappe P., John H., Forssmann W.-G.; "Posttranslationally processed forms of the human chemokine HCC-1."; Biochemistry 39:10799-10805 (2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                           This Swiss-Prot entry is copyright. It is produced through a collable between the Swiss Institute of Bioinformatics and the EMBL outse the European Bioinformatics Institute. There are no restrictions use as long as its content is in no way modified and this statement
L; Z49270; CAA89264.1; -; mRNA.
L; Z7029; CAA94307.1; -; mRNA.
L; Z7029; CAA94307.1; -; mRNA.
L; Z49269; CAA94309.1; -; mRNA.
L; Z49269; CAA89263.1; -; Genomic DNA.
L; AF088219; AAF3398.1; -; Genomic DNA.
L; AF088219; AAF3398.1; -; GENOMIC DNA.
L; BC038289; AAF338289.1; -; mRNA.
L; BC045165; AAH45165.1; -; mRNA.
L; BC045165; AAH45165.1; -; mRNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SIMILARITY: Belongs to the intercrine beta (chemokine CC) family.
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PRELIMINARY;

2 Q6DUK4;

1 25-CCT-2004 (TrEMBLrel. 28, Created)

T 25-CCT-2004 (TrEMBLrel. 28, Last sequence updat

PRESCRIPT 28-CCT-2004 (TrEMBLrel. 28, Last annotation upon the macrophage inflamatory protein 1 alpha.

Sus secrefa (Pig).

Sus secrefa (Pig).

Sus secrefa; Metazoa; Chordata; Craniata; Verte)

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Stirling C.M.A., Takamatsu H.;
EMBL, AY643423; AA765077.1; -; mRNA.
GO; GO:0005576; C:extraccellular region; IEA.
GO; GO:0005576; F:chemokine activity; IEA.
R GO; GO:0006935; P:chemokine ARA.
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GO; GO:0005615; C:extracellular space; TAS.
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GO; GO:0008874; F:calcium ion homeostasis; TAS.
GO; GO:0008874; P:calcium ion bomeostasis; TAS.
GO; GO:0008874; P:positive regulation of cell proliferation;
InterPro; IPR001827; CC_chemkine_sml.
InterPro; IPR001811; Chemokine_ILB.
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/tokine; Direct protein
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HCC-1(3-74).
HCC-1(4-74).
HCC-1(9-74).
O-linked (GalNac. . .).
By similarity.
By similarity.
R -> QTGGKPKVVKIQLKLVG (;
   16;
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Score 230; DB 2; Length 93
Pred. No. 5.7e-18;
6; Mismatches 17; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 416; DB 1;
Pred. No. 7.4e-39;
Mismatches 0;
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DDDB899DC9148836 CRC64;
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Cetartiodactyla; Suina; Suida
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5 SSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPSDKWV

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SAPLGADTPTACCFSYTSRQLPRKFVADYFETSSQCSKPGVIFQTKKGREVCANPEDAWV

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Best Local
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24 PIG
0711P4 PIG
0711P4;
0711P4;
                                                                                                                                                                                                                                                                                                       QBHYQ3_MACMU PRELIMINARY;
QBHYQ3;
QBHYQ3;
Q1-MAR-2003 (TrEMBLrel. 23, C
01-MAR-2003 (TrEMBLrel. 23, L
01-CCT-2003 (TrEMBLrel. 25, L
Chemokine CCL3/MIP-LALPHA.
                                                                                                                                                                       Macaca mulatta (Rhesus macaque).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini;

Cercopithecidae; Cercopithecinae; Macaca.

NCBI_TaxID=9544;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SMR; Q711P4; 24-92.
GO; GO:0005576; C:extracellular region; IEGO; GO:0008009; F:chemokine activity; IEA.
GO; GO:0006935; P:chemotaxis; IEA.
GO; GO:0006935; P:immune response; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sus scrofa (Pig).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Laurasiatheria; Cetartiodactyla; Suina; Suidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (MAR-2001) to EMBL; AJ311717; CAC84398 HSSP; P10147; 1850.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ortuno
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Name=MIP-1beta;
NUCLEOTIDE SEQUENCE.
MEDILINE=22123042; PubMed=12126650; DOI=10.1006/cyto.2002.0875;
Basu S., Schaefer T.M., Ghosh M., Fuller C.L., Reinhart T.A.;
"Molecular cloning and sequencing of 25 different rhesus macagn chemokine cDNAs reveals evolutionary conservation among C, CC, and CX3C families of chemokines.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    InterPro; IPR000827; CC_chemkine_sml.
InterPro; IPR001811; Chemokine_IL8.
Pfam; PF00048; IL8; 1.
SMART; SM00199; SCY; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ezquerra A.
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92 AA; 10207 MW; AB1E0AE5EA9F70E5 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QDYIKDMKEN 74
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Last annotation updat
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Pred. No. 1
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                             rhesus macaque among C, CC, CXC,
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EMBL; AF449266; AAN/DV/.

KHSSP; P10147; 1B50.

R GO; GO:0005576; C:extracellular region; IEA.

R GO; GO:0008009; F:chemokine activity; IEA.

GO; GO:0006935; P:chemotaxis; IEA.

TO:0006935; P:chemotaxis; IEA.
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Best Local S
Matches 36
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GO; GO:0006955; P:immune response; IEA.
GO:0000695; P:immune response; IEA.
InterPro; IPR000827; CC_chemkine_sml.
InterPro; IPR001811; Chemokine_IIB.
Pfam; PF00048; ILB; 1.
SMART; SM00199; SCY; 1.
SMART; SM00199; SCY; 1.
PROSITE; PS00472; SMALL CYTOKINES CC; 1.
SEQUENCE 92 AA; 10103 MW; 80BZC207156
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InterPro; IPR000827; CC_chemkine_sml.
InterPro; IPR001811; Chemokine_IE8.
Pfam; PF00048; I18; 1.
SMART; SM00199; SCY; 1.
SMART; SM00199; SCY; 1.
SPCSITE; PS00472; SMALL_CYTOKINES_CC; 1
SEQUENCE 92 AA; 10120 MW; 021CAA371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDIINE=22123042; PubMed=12126650; DOI=10.1006/cyto.2002.0875; Basu S., Schaefer T.M., Ghosh M., Fuller C.L., Reinhart T.A.; "Molecular cloning and sequencing of 25 different rhesus macage chemokine cDNAs reveals evolutionary conservation among C, CC, and CX3C families of chemokines.";
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Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Cercopithecidae; Cercopithecinae; Macaca.
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01-MAR-2003 (TrEMBLrel. 23,
01-OCT-2003 (TrEMBLrel. 25,
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SMR; Q8HYQ2; 24-92.
GO; GO:0005576; C:extracellular region; IEA.
GO; GO:0008009; F:chemokine activity; IEA.
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NCBI_TaxID=9544;
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Macaca mulatta (Rhesus macaque).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL; AF449267; AAN76071.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cytokine 18:140-148(2002)
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                                                ODYIKDMKEN
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0 MW; 021CAA371143D12A CRC64;
                                                                                                                                                                                                                                                                                                  CYTOKINES_CC; 1.
3 MW; 80B2C2071565F809 CRC64;
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Last annotation update)
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Pred. No. 5.8e-17;
4; Mismatches 12
                                                                                                                                                                                                 Score 220; DB 2; 1
Pred. No. 7.5e-17;
5; Mismatches 19;
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RESULT

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RI Secreted factors.";

RI J. Immunol. 142:1582-1590(1989).

RN NUCLEOWIDE SEQUENCE.

RN NUCLEOWIDE SEQUENCE.

RN MEDLINE-91103879; PubMed=2271120,

RN Blum S., Forsdyke R.E., Forsdyke D.R.;

Rlum S., Forsdyke R.E., Forsdyke D.R.;

Rlum S., Forsdyke R.E., Forsdyke D.R.;

RLUM S., Forsdyke R.E., Forsdyke D.R.;

RN HILL SEQUENCE.

RY Three human homologs of a murine gene encoding an inhibitor of stem

RT cell proliferation.";

RN LOCACOUNTY SEQUENCE.

RN HUCLEOTIDE SEQUENCE.

RN HUCLEOTIDE SEQUENCE [LARGE SCALE MRNA].

RI Strausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,

RN MEDLINE-22389257; PubMed=12477932; DOI=10.1073/pnas.242603899;

RN MEDLINE-22389257; PubMed=12477932; DOI=10.1073/pnas.
erc.
[6]
NUCLEOTIDE :
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J. Biochem. !
[2]
NUCLEOTIDE SI
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P10147;
01-MAR-1989 (Rel. 10, Created)
01-MAR-1989 (Rel. 10, Last sequence update)
13-SEP-2005 (Rel. 48, Last sequence update)
13-SEP-2005 (Rel. 48, Last amoutation update)
Small inducible cytokine A3 precursor (CCL3) (Macrophage inflammatory protein 1-alpha) (MIP-1-alpha) (Tonsillar lymphocyte LD78 alpha protein) (GO/G1 switch regulatory protein 19-1) (GOS19-1 protein)
(SIS-beta) (PAT 464.1) [Contains: MIP-1-alpha(4-69) (LD78-alpha(4-69))
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MEDLINE=89140347; PubMed=2521882;

Zipfel P.F., Balke J., Irving S.G., Kelly K., Siebenlist U.;

Witogenic activation of human T cells induces two closely related

"Mitogenic activation of human T in induces two closely related
genes which share structural similarities with a new family of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MUCLEOTIDE SEQUENCE.
MEDLINE=86223879; PubMed=3086300;
Obaru K., Pukuda M., Maeda S., Shi
"A cDNA clone used to study mRNA ii
lymphocytes by a tumor promoter.";
J. Biochem. 99:885-894(1986).
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Homo sapiens (Human).
                     SEQUENCE
Kim B.E.;
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PubMed=3086300;
Maeda S., Shimada K.;
Maeda S. mRNA inducible
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IT Variants.";

   STRUCTURE BY NMR OF 24-92, AND MUTAGENESIS OF ASP-49 AND GLU-89.
MEDLINB=99278370; PubMed=10347159; DOI=10.1074/jbc.274.23.16077;
Czaplewski L.G., McKeating J., Craven C.J., Higgins L.D., Appay V.,
Brown A., Dudgeon T., Howard L.A., Meyers T., Owen J., Palan S.R.,
Tan P., Wilson G., Woods N.R., Heyworth C.M., Lord B.I.,
Brotherton D., Christison R., Craig S., Cribbes S., Edwards R.M.,
Evans S.J., Gilbert R., Morgan P., Bliot Randle E., Schoffield N.,
Varley P.G., Fisher J., Jonathan P., Waltho J.P., Hunter M.G.;
"Identification of amino acid residues critical for aggregation of
human CC chemokines macrophage inflammatory protein (MIP) lalpha, MIP-
lbeta, and RANTES. Characterization of active disaggregated chemokine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SUBUNIT, AND INTERACTION WITH MIP-1-BETA(3-69).
MEDLINE-22191307; PubMed-12070155; DOI=10.1074/jbc.M203077200;
GUAN E., WANG J., Roderiquez G., Norcross M.A.;
"Natural truncation of the chemokine MIP-1beta /CCL4 affects respectficity but not anti-HIV-1 activity.";
J. Biol. Chem. 277;32348-32352(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROTEIN SEQUENCE OF 27-40 AND 71-83, MEDLINE=96106406; PubMed=8525373; Cocchi F., DeVico A.L., Garzino-Demo Lusso P., "Identification of RANTES, MIP-1 alph HIV-suppressive factors produced by Cocence 270:1811-1815(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hunter M.G., Bawden L., Brotherton D., Craig S., Cribbes S., Czaplewski L.G., Dexter T.M., Drummond A.H., Gearing A.H., Heyworth C.M., Lord B.I., Mccourt M., Varley P.G., Wood L.M., Edwards R.M., Lewis P.J., "B-10010: an active variant of human macrophage inflammatory protein-1 alpha with improved pharmaceutical properties."; Blood 86:4400-4408(1995).
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[12]
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SIMILARITY: Belongs to the
   Swiss-Prot entry is copyright. It is produced sen the Swiss Institute of Bioinformatics and
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by CD8+ T cells.";
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Ensembl; ENSG0000006075; Ho
HGNC; HGNC:10627; CCL3.

MIM; 18283; -.
GO; GO:000809; F:chemokine
GO; GO:0004871; F:signal tra
GO; GO:0019735; P:antimicrob
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GO; GO:0005625; C:soluble fraction; TAS.
GO; GO:0008009; F:chemokine activity; TAS.
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GO; GO:0008009; F:signal transducer activity; TAS.
GO; GO:0004871; F:signal transducer activity; TAS.
GO; GO:0006928; P:antimicrobial humoral response (sensu Verte. . .; GO; GO:0006928; P:cell motility; TAS.
GO; GO:0006928; P:cell motility; TAS.
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GO; GO:0007267; P:cell-cell signaling; TAS.
GO; GO:0006928; P:chemotaxis; TAS.
GO; GO:0006887; P:cytoskeleton organization and biogenesis; TAS.
GO; GO:0007186; P:G-protein coupled receptor protein signalin. . .;
GO; GO:0006864; P:inflammatory response; TAS.
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EMBL; M23452; AAA36316.1; -; mRNA.
EMBL; M25315; AAA57255.1; -; mRNA.
EMBL; X03754; CAA27388.1; -; mRNA.
EMBL; X04018; CAA27643.1; ALT SEQ; Genomic_DNA.
EMBL; M23178; AAA35858.1; -; Genomic_DNA.
EMBL; D144; BAA14172.1; -; Genomic_DNA.
EMBL; BC071834; AAH71834.1; -; mRNA.
EMBL; AP043339; AAC03539.1; -; mRNA.
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3D-structure; Chemotaxis; Cytokine; Direct protein sequencing;
Inflammatory response; Sensory transduction; Signal.
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InterPro; IPR001811; Chemokine_ILB.
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MIP-1-alpha(4-69).
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EMBL; M23503; AAA40148.1; -; mRNA.
EMBL; M35590; AAA39708.1; -; mRNA.
EMBL; X62502; CAA44364.1; -; Genomic_DNA.
EMBL; AF128218; AAF22559.1; -; mRNA.
EMBL; AF128219; AAF22560.1; -; mRNA.
PIR; C30552; C30552.
HSSP; P13236; IHUM.
SMR; P14097; 24-92.
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01-FEB-1996
10-MAY-2005
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10-MAY-2005 (Rel. 47, Last annotation update)
Small inducible cyrokine A4 precursor (CCL4) (Macrophage inflammatory
protein 1-beta) (MIP-1-beta) (H400 protein) (SIS-gamma) (ACT2).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Sequence polymorphisms in the chemokines Scyal (TCA-3), Scya2 (monocyte chemoattractant protein (MCP)-1), and Scyal2 (MCP-5) are candidates for eae7, a locus controlling susceptibility to monophasic remitting/nonrelapsing experimental allergic encephalomyelitis.";
J. Immunol. 163:2262-2266(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDILINE-89067830; PubMed=3058856; DOI=10.1084/jem.168.6.2251; Sherry B., Tekamp-Olson P., Gallegos C., Bauer D., Davatelis G., Wolpe S.D., Masiarz F., Coit D., Cerami A.; "Resolution of the two components of macrophage inflammatory protein 1, and cloning and characterization of one of those components, macrophage inflammatory protein 1 beta."; J. Exp. Med. 168:2251-2259(1988).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This Swiss-Prot entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the Entrepean Bioinformatics Institute. There are no restrained to the company of the compan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE.
STRAIN=B10.S/J, and SJL/J; TISSUE=Spleen;
MEDLINE=99370037; PubMed=10438970;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Daubersies P., Plumb M.A.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Brown K.D., Zurawski S.M., Mosmann T.R., Zurawski G.;
"A family of small inducible proteins secreted by leukocytes are members of a new superfamily that includes leukocyte and fibroblast-derived inflammatory agents, growth factors, and indicators of various activation processes.";
J. Immunol. 142:679-687(1989).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mammalia; Eutheria; Euarchontoglires;
Muroidea; Muridae; Murinae; Mus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mus musculus (Mouse).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Name=Ccl4; Synonyms=Mip1b, Scya4;
Ensembl; ENSMUSG00000018930; Mus muscul MGI; MGI:98261; Ccl4.
GO; GO:0005615; C:extracellular space; GO; GO:0005515; F:protein binding; IPI. InterPro; IPR000827; CC chemkine sml. InterPro; IPR001811; Chemokine_IL8. InterPro; IPR008105; Lymphotactin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Teuscher C., Butterfield R.J., Ma R.Z., Blankenhorn E.P.;
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MEDLINE=89093958; Pu
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FUNCTION: Monokine with inflammatory and SUBUNIT: Homodimer (By similarity). SUBCELLULAR LOCATION: Secreted.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SIMILARITY: Belongs to the intercrine beta (chemokine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           long as its content is
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Created)
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                                                                                                                                                                                                                                                                                        Mus musculus.
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                                       Query Match
Best Local S
Matches 36
                                                                                              NUCLEOTIDE SEQUENCE.

PUNMed=15643566;

PUNMed=15643566;

COLObran R., Adreani P., Ashhab Y., Llano A., Este Pulyol-Borrell R., Juan M.;

Pulyorphism in HIV+ patients.";

J. Immunol. 174:5655-5664(2005).

J. Immunol. 174:5655-5664(2005).

J. Immunol. 174:5655-5664(2005).

J. Immunol. 174:5655-5664(2005).

J. Immunol. 174:5655-564(2005).

J. Immunol. 174:5655-5664(2005).

J. Colounic DNA.

EMBL; AV79647; AALSTO08.1; -; Genomic DNA.

EMBL; AV796460; AAX072294.1; -; Genomic DNA.

REMBL; AV796476; COLOHONIC PLAN

EMBL; AV796476; COLOHONIC PLAN

GO; GO:000555; P:immune response; IEA.

GO; GO:0006955; P:immune response; IEA.

GO; GO:0006955; P:immune response; IEA.

GO; GO:0006955; P:immune response; IEA.

GO; GO:000695; P:immune response; IEA.

GO
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SIGNAL
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DISULFID
SEQUENCE
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01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Macrophage inflammatory protein-1b2 (CC chemokine ligand 4L1).
Name=CCL4L1; Synonyms=CCL4L;
Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bukaryota; Metazoa; Chordata; Craniata; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
Nibbs R.J., Barcellos L.F., Townson J.R.;
Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QONHW4;
QBNHW4;
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SMART; SM00199; SCY; 1.
PROSITE; BS00472; SMALL CYTOKINES CC; 1.
Chemotaxis; Cytokine; Inflammatory response; Sensory transduction;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
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     SSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPSDKWV
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24
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35
7 AA;
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                                       Conservative
                                                                                                      SMALL_CYTOKINES_CC; 1.
10166 MW; 4C8D01E926CDE882 CRC64;
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74
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                                       52.4%; Score 218; DB 2; Length 92; 51.4%; Pred. No. 1.3e-16; ive 15; Mismatches 19; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Score 218; DI
; Pred. No. 1.3
16; Mismatches
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By similarity.
By similarity.
By similarity.
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L.3e-16;
hes 19;
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Best Local S
Matches 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Johnson C.;
Submitted (FEB-2005) to the EMBL/GenBank/ww.
EMBL, AL596122; CAI25137.1; -; Genomic_DNA.
MGI, MGI:98261; Cc14.
GG; GO:0005576; C:extracellular region; IEA.
GG; GO:0008009; F:chemokine activity; IEA.
GG; GO:0006955; P:immune response; IEA.
SEQUENCE 92 AA; 10168 MW; 8853FD58FDE6:
                                                                                                                                                                                                                                                                            CCL3L HUMAN STANDARD; PRT; 93 AA.

P16613; Q96168;
01-AUG-1990 (Rel. 15, Created)
01-AUG-1990 (Rel. 15, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Small inducible cytokina A3-like 1 precursor (Tonsillar lymphocyte
LD78 beta protein) (LD78-beta(1-70)) (G0/G1 switch regulatory protein
19-2), (G0X19-2 protein) (PAT 464.2) [Contains: LD78-beta(3-70); LD78-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OSONV9_MOUSE PRELIMINARY; PRT; 92 AA.

GSONV9;
01-FEB-2005 (TrEMBLrel. 29, Created)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
Chemokine (C-C motif) ligand 4.

Name=CC14; Symonyms=cC14; ORFNames=RP23-320E6.8-001;
Mus musculus (Mouse).

Mus musculus (Mouse).

Musmasia, Butheria, Euarchontoglires; Glires; Rodentia; Sciurognathi;
Murridae; Murrinae; Mus.
     MEDLINE=9028/702; PubMed=1972563; Irving S.G., Zipfel P.F., Balke J., McBrid Burd P.R., Siebenlist U., Kelly K.; "Two inflammatory mediator cytokine genes variably amplified on chromosome 17q."; Nucleic Acids Res. 18:3261-3270(1990). [2]
                                                                                                                                                                                                      Deta(5-70)].
Name=CC1311; Synonyms=G0S19-2, SCYA311;
Name=CC1311; Synonyms=G0S19-2, SCYA311;
Homo sapiens (Human).
Eukaryota, Metazoa; Chordata; Craniata;
Mammalia; Eutheria; Euarchontoglires; P;
                                                                                                                                       NUCLEOTIDE SEQUENCE.
                                                                                                                                                                    NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                        beta (5-70)]
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llarity 50.0%;
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                                                                                                                                                                                                      Chordata; Craniata; Vertebrata; Euteleostomi; Euarchontoglires; Primates; Catarrhini; Hominidae;
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-; Genomic_DNA.
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Pred. No. 1.3e-16;
5; Mismatches 19
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RA Klausher R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., RA Klausher R.D., Collins F.S., Wagner L., Shenmen C.M., Schuler G.D., RA Alleschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., RA Alleschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K., RA Hopkins R.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F., RA Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., Stapleton M., Soares M.B., Bonaldo M.F., Casavant T.L., Scheetz T.E., RA Scwastein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C., RA Brownstein M.J., Usdin T.B., Toshiyuki S., Carninci P., Prange C., RA Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J., Rosak S.A., McEwan P.J., McKernan K.J., Malek J.A., Gunaratne P.H., Richards S., Worley K.C., Hale S., Garcia A.M., Gay L.J., Hulyk S.W., Villalon D.K., Muzny D.M., Sodergren B.J., Lu X., Gibbs R.A., Rahey J., Helton E., Ketteman M., Madan A., Rodrigues S., Sanchez A., Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G., A Blakesley R.W., Touchman J.W., Green E.D., Dickson M.C., A Rodriguez A.C., Grimwood J., Schmutz J., Myers R.M., Scherch A., Schein J.E., Jones S.J.M., Marra M.A.; "Generation and initial analysis of more than 15,000 full-length human Tennances" "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUCLEOTIDE SEQUENCE.
MEDLINE=90287155; PubMed=1694014;
Memivama H., Shimada K.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=22388257; PubMed=12477932; Strausberg R.L., Feingold E.A., Gro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    expression."
Mol. Cell. B
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Blum S., Forsdyke R.E., Forsdyke I
"Three human homologs of a murine
cell proliferation.";
                                                                                                                  This Swiss-Prot entry is copyright. It is produced through a c
between the Swiss Institute of Bioinformatics and the EMBL
the European Bioinformatics Institute. There are no restrict
use as long as its content is in no way modified and this stat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PROCESSING, AND F
MEDLINE=20417739;
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EMBL; X52149;
EMBL; M24110;
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Blood 96:1674-1680(20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Zhang Z., Henzel W.J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PubMed=15340161;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE
                                                                                              removed.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Van Damme J.;
"Cleavage by CD26/dipeptidyl peptidase IV converts the chemokine
"N78heta into a most efficient monocyte attractant and CCR1 agonist.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IDENTIFICATION OF LD78-BETA(3-70)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Protein
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                                                                                                                                                                                                                                                                             od 96:1674-1680(2000).

FUNCTION: Chemotactic for monocytes. Is a ligand for CCR5.

Recombinant small inducible cytokine B10 induces a dose-dependent inhibition of macrophage tropic HIV-1 strains. The processed form LD78-beta(3-70) shows a 20-fold to 30-fold higher chemotactic activity and is also a ligand for CCR1.

SUBCELLULAR LOCATION: Secreted.

SUBCELLULAR LOCATION: Secreted.

PTM: The N-terminal processed forms LD78-beta(3-70) and LD78-beta(5-70) are produced by proteolytic cleavage after secretion from peripheral blood monocytes. The cleavage to yield LD78-beta(3-70) is probably achieved by DPP4.

SIMILARITY: Belongs to the intercrine beta (chemokine CC) family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             mouse cDNA sequences.";
c. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        peptide prediction based d cleavage sites."; Sci. 13:2819-2824(2004).
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CAA36397.1; -;
AAA35859.1; -;
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R.E., Forsdyke D.R.;
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Q53YA5 HUN

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EMBL; BT00
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chemokine (C-C motif) ligand 3.

Chemokine (C-C motif) ligand 3.

Eukaryota, Metazoa; Chordata; Craniata; Vertebrata;
Mammalia; Eutheria; Euarchontoglires; Primates; Cat
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SMR; P16619; 26-93.
                                                                                                                                                                                                                                                 SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                      Phelan M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                Koundinya M., Raphael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                Cloning of human
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BC027888; AAH27888.1; -; mRNA.
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BT006783; AAP35429.1; -
NCE 93 AA; 10144 MW;
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full-length
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LD78-beta(5-70).
Cleavage (by DPP4) (Probable).
By similarity.
                                                                                                                                                                                                                                                                              -; mRNA.
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Pred. No. 1.3e-16;
6; Mismatches 11
                                                                                                                           Score 218; DB 2;
Pred. No. 1.3e-16;
6; Mismatches 11
                                                                                                                                                                                                                                                    A7A78E374006D61E
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A7A79E774006D61E (
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ira D., Kelley T., LaBaer
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aer J., Lin
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RESULT
Q4VSK4
ID Q7
AC Q4
DT 11
DT 11
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X NCBI TaxID=9986;
X NCBI TaxID=9986;
X NCBI TaxID=9986;
X NCBI TaxID=9986;
X MCBLINE=94198129;
Y NUCLEOTIDE SEQUENCE.
X MEDLINE=941981229; PubMed=8148323;
X MEDLINE=941981229; PubMed=8148323;
X MEDLINE=941981229; PubMed=8148323;
X MCDI INTER=941981229; PubMed=8148323;
X MCDI INTER=941981229; PubMed=8148323;
X MCDI INTER=941981229; Nuclear Sequence of neutrophils during the property of control of the pubmed of neutrophils during the reputation of neutrophils during the re
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Best Local S
Matches 35
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PIR; 146730; 146730.

HSSP; p13236; 1HUM.

SMR; p46632; 24-92.

InterPro; IPR001811; Chemokine_IL8.

Pfam; p700048; IL8; 1.

SMART; SM00199; SCY; 1.

SMART; SM00199; SCY; 1.

Chemocaxis; Cytokine; Inflammatory response signal.

SIGNAL 24 92 Small inducibly DISULPID 35 74 By similarity.

DISULPID 35 74 By similarity.

SEQUENCE 92 AA; 10066 MW; ECBA8818D42A.
  ILT 13

K4 ANAPL
Q4VSK4 ANAPL
Q4VSK4;

13-SEP-2005 ('
13-SEP-2005 ('
13-SEP-2005 (')
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P4663;
01-NOV-1995 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
10-NAY-2005 (Rel. 47, Last annotation update)
small inducible cytokine A4 precursor (CCL4) (Macrophage inflammat protein 1-beta) (Macrophage inflammat protein 2) (ACT-2)

Name=CCL4; Synonyme=SCYA4;
Dryctolagus cuniculus (Rabbit).

Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Eureleostomi, Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Eureleostomi, Dryctolagus cuniculus (Rabbit).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This Swiss-Prot entry is copyright. It is produced through a collaborative the Swiss Institute of Bioinformatics and the EMBL outstatche European Bioinformatics Institute. There are no restrictions case as long as its content is in no way modified and this statement
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35; Conservative
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(TrEMBLrel. 31,
(TrEMBLrel. 31,
                                                                                                        PRELIMINARY;
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  Created)
Last sequence that the contract of th
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Pred. No. 2
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Small inducible cytokine
By similarity.
By similarity.
ECBA8818D42A735C CRC64;
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     sequence up
annotation
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2.1e-16;
hes 20;
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2) (ACT-2).
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tatement is not
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J66AZO_CANFA
ID Q66AZO;
ID Q66AZO;
AC Q66AZO;
DT 25-OCT-2004 (TrEMBLrel. 28, Created)
DT 25-OCT-2004 (TrEMBLrel. 29, Last sequence update)
DT 01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
DE CC chemokine ligand 4.
GN Name=CCL4;
GN Name=CCL4;
GN Canis familiaris (Dog).
OS Canis familiaris (Dog).
CE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OS Canis familiaris; Laurasiatheria; Carnivora; Fissipedia; Canidae;
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Best Local S
Matches 36
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Best Local S
Matches 35
                                                                                            A TSUKUIT., Maeda S., Koyanagi M., Hashimoto R., Masuda S., Kayanagi M., Iwabuchi S.;

T "Expression analysis of CCL4 gene in canine atopic des Submitted (JUL-2004) to the EMBL/GenBank/DDBJ database SMBL; ABL83144; BAD8342.1; -; mRNA.

EMBL; ABL83144; BAD8342.1; -; mRNA.

EMBL; ABL83144; BAD8342.1; -; mRNA.

SWR; Q66AZO; 24-92.

Ensembl; ENSCAFG0000018164; Canis familiaris.

GO; GO:0005976; C:extracellular region; IEA.

GO; GO:0006955; P:immune response; IEA.

R GO; GO:0006955; P:immune response; IEA.

R GO; GO:0006955; P:immune response; IEA.

R InterPro; IPR000827; CC_chemkine_sml.

InterPro; IPR000827; CC_chemkine_sml.

R Ffam; PF00048; ILB; 1.

SMART; SM00199; SCC; 1.

SEQUENCE 92 AA; 10197 MW; 7628FBC425BCED9C CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLECTIDE SEQUENCE.
TRUKHI T., Sakaguchi M., Maeda S., Koyanagi M., Masuda I
Tsujimoto H., Iwabuchi S.;
"Expression analysis of chemokine gene in canine atopic
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases
[2]
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"Identification, sequence characterization, and analysis
profiles of three nevel CC chemokines from domestic duck
platyrhynchos).";
Immunogenetics 57:364-373 (2005).
EMBL; AY61437; AAV52797.1;
EMBL; AY61437; AAV52797.1;
SEQUENCE 90 AA; 9997 MW; 5B6FF22356423930 CRC64;
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Anas platyrhynchos (Domestic duck).
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Eukaryota; Metazoa; Chordata; Araniata; Anatidae; Anas.
Archosauria; Aves; Neognathae; Anseriformes; Anatidae; Anas.
NCBI_TaxID=8839;
[1]
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PubMed=15841394;
Sreekumar E., Pr
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||: |: :: |
78 DWVKKYVTELELN
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     Similarity
36; Conser
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  51.4%; Score 214; DB 2;
51.4%; Pred. No. 3.6e-16;
tive 14; Mismatches 20;
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                                                                                                     CYTOKINES_CC; 1.
7 MW; 7628FBC425BCED9C CRC64;
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Pred. No. 3.56
4; Mismatches
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                                                  Length 92;
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10-MAY-2005 (Rel. 47, Created)
10-MAY-2005 (Rel. 47, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
10-MAY-2005 (Rel. 47, Last annotation update)
Small inducible cytokine A3 precursor (CCL3) (Macrophage inflammatory
Small inducible cytokine A3 precursor (CCL3)
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PubMed=15637236; DOI=10.1126/science.1101160;

PubMed=15637236; DOI=10.1126/science.1101160;

Gonzalez E., Kulkarni H., Bolivar H., Mangano A., Sanchez R.,

Gatano G., Nibbs R.J., Freedman B.I., Quinones M.P., Bamshad M.J.,

Murthy K.K., Rovin B.H., Bradley W., Clark R.A., Anderson S.A.,

O'connell R.J., Agan B.K., Ahuja S.S., Bologna R., Sen L., Dolan M.J.,

Ahuja S.K.;

Ahuja S.K.;

The influence of CCL311 gene-containing segmental duplications on
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-!- FUNCTION: Monokine with inflammatory and chemokinetic properties.
Binds to CCR1, CCR4 and CCR5 (By similarity).
-!- SUBCELLULAR LOCATION: Secreted (By similarity).
-!- SUBCELLULAR LOCATION: Secreted (By similarity).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
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SMART; SM00199; SCY; 1.
PROSITE; PS00472; SMALL
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SMR; Q5I1Z0; 24-92.
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InterPro; IPR001811; Chemokine_IL8.
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| Cgn2_6/ptodatta/1/iaa/5_COMB.pep:*
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| Cgn2_6/ptodatta/1/iaa/H_COMB.pep:*
| Cgn2_6/ptodatta/1/iaa/PGTUS_COMB.pep:*
| Cgn2_6/ptodatta/1/iaa/PGTUS_COMB.pep:*
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US-09-334-951A-2
US-09-334-95A-3
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Query Match 100.0%; Score 416; DB 1; I Best Local Similarity 100.0%; Pred. No. 3.4e-43; Matches 74; Conservative 0; Mismatches 0;	ALIGNMENTS SEQUENCE 2, Application US/08173209A patent No. 5556787 GENERAL INFORMATION: APPLICANT: LI, ET AL. TITLE OF INVENTION: MACROPHAGE Inflammatory Protein Garnumber of Sequences: 5 CORRESONDENCE ADDRESS: 5 CORRESONDENCE CARELLA, BYRNE, BAIN, GILFILLAN, ADDRESSEE: CECCHI, STEWART & OLSTEIN STREET: 6 BECKER FARM ROAD CITY: ROSELAND STATE: NEW JERSEY COUNTRY: USA ZIP 07068 COMPUTER READABLE FORM: MEDIUM TYRE: 3.5 INCH DISKETTE COMPUTER READABLE FORM: MEDIUM TYRE: 3.5 INCH DISKETTE COMPUTER: LIBM PS/2 OPERATING SYSTEM: MS-DOS SOFTWARE: WORD PERFECT 5.1 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/173,209A FILLING DATE: 22 DECEMBER 1993 CLASSIFICATION ATA: APPLICATION NUMBER: 356,114 REFERENCE/DOCKET INFORMATION: REGISTRATION NUMBER: 352800-51 TELEPHONE: 201-994-1744 INFORMATION FOR SEQ ID NO: 2: SEQUENCE CHARACTERISTICS: LENGTH: 93 AMINO ACID STRANDEDNESS: TOPOLOGY: LINEAR MOLECULE TYPE: PROTEIN US-08-173-209A-2	28 219 52.6 92 2 US-08-722-719-53 29 219 52.6 92 2 US-08-936-772-4 30 219 52.6 92 2 US-08-808-720-9 31 219 52.6 92 2 US-09-395-918-4 32 219 52.6 92 2 US-09-33-521-7 33 219 52.6 92 2 US-08-479-603-23 34 219 52.6 92 2 US-08-479-603-23 35 219 52.6 92 2 US-09-334-951-53 36 219 52.6 92 2 US-09-334-923A-53 37 219 52.6 92 2 US-09-334-923A-53 39 219 52.6 92 2 US-09-39-107-23 39 219 52.6 92 2 US-09-34-954A-53 40 219 52.6 92 2 US-09-34-795A-33 41 219 52.6 92 2 US-09-34-795A-33 42 219 52.6 92 2 US-09-674-78B-2 43 219 52.6 92 2 US-09-67-447B-2 44 219 52.6 92 2 US-09-67-447B-2 45 219 52.6 92 2 US-09-67-447B-2
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GENERAL INFORMATION:
APPLICANT: Wilde, Craig G.
APPLICANT: Hawkins, Phillip R.
APPLICANT: Bandman, Olga Giftey J.
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Seilhamer, Jeffrey J.
TITLE OF INVENTION: EXPRESSED CHEMOKINES, THE
TITLE OF INVENTION: PRODUCTION AND USES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSE: Incyte Pharmaceuticals, Inc.
CTREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                              STRANDEDNESS: Single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: PITUITARY
; CLONE: 115571
US-08-347-492B-6
          RESULT 3
US-08-798-143-6
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Best Local
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COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/347,492B

FILING DATE: 29-NOV-1994

PRIOR APPLICATION NUMBER: 08/303,241

APPLICATION NUMBER: 08/320,011

APPLICATION NUMBER: 08/320,011

FILING DATE: 05-OCT-1994

ATTORNEY/AGENT INFORMATION

NAME: LULDET; Barbara J

REGESTRATION NUMBER: 33,954

REFERENCE/DOCKET NUMBER: PF-0024
                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: 415-852-0195
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEPHONE: 415-855-0555
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MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY:
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80 DKWVQDYIKDMKEN 93
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80 DKWVQDYIKDMKEN 93
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RESULT 4
US-08-722-719-2
US-08-722-719
Sequence 2, Application US/08722719
Patent No. 6001606
PAPPLICANT: ROSEN, CRAIG A.
APPLICANT: RUBIN, STEVEN M.
APPLICANT: LI, HAODONG
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TOPOLOGY: linear

MOLECULE TYPE: peptide

MOLECULE TYPE: peptide

MOLECULE TYPE: peptide

MOLECULE TYPE: peptide

MOLECULE TYPE: DISTORY

MOLECULE: 115571

US-08-798-143-6
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SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
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Best Local S
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Patent No. 5936068
GENERAL INFORMATION:
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APPLICANT: Hawkins, Phillip R.
APPLICANT: Bandman, Olga
APPLICANT: Seilhamer, Jeffrey J.
TITLE OF INVENTION: EXPRESSED CHEMOKINES, TH
TITLE OF INVENTION: PRODUCTION AND USES
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OPERATING SYSTEM: DOS
OPERATING SYSTEM: DOS
OPERATING SYSTEM: DOS
SOFTWARE: FRASESQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/798,143
FILING DATE: 10.FEB-1997
CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION UNUMBER: 08/347,492
FILING DATE: 29-NOV-1994
APPLICATION NUMBER: 08/303,241
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/303,011
FILING DATE: 05-OCT-1994
APPLICATION NUMBER: 08/30,011
FILING DATE: 05-OCT-1994
APPLICATION NUMBER: 08/30,011
FILING DATE: 05-OCT-1994
APPLICATION NUMBER: 05-OCT-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Luther, Barbara J
REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF-0024
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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CITY: Palo Alto
STATE: CA
COUNTRY: U.S.
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                                  61 DKWVQDYIKDMKEN 74
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DKWVQDYIKDMKEN 93
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US-09-180-077-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 100.0%;
Best Local Similarity 100.0%;
Matches 74; Conservative (
  GENERAL INFORMATION:
APPLICANT: Forssmann
APPLICANT: Pardigol
APPLICANT: Magert, 1
                                                                                             Sequence 7, Application US/09180077A Patent No. 6180773
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/173,209
FILLING DATE: 22-DEC-1993
PRIOR APPLICATION NUMBER: US 08/208,339
PRIOR APPLICATION NUMBER: US 08/208,339
FILLING DATE: 08-MAR-1994
PRIOR APPLICATION NUMBER: US 08/446,881
PRICATION NUMBER: US 08/446,881
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/465,682
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/468,775
PRIOR APPLICATION NUMBER: US 08/468,775
PRIOR APPLICATION NUMBER: US 08/468,775
ATTORNEY/AGENT INFORMATION:
NAME: STEPPE, ERIC K.
REGISTRATION NUMBER: 36,688
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: (202) 371-2540 INFORMATION FOR SEQ ID NO: 2:
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TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/722,719
FILING DATE: 30-SEP-1996
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: THERAPEUTIC COMPOSITIONS AND METHODS FOR TITLE OF INVENTION: TREATING DISEASE STATES WITH MYSLOID PROGENITOR INHIBITORY TITLE OF INVENTION: FACTOR-1 (MPIF-1), MONOCYTE COLONY INHIBITORY FACTOR TITLE OF INVENTION: (M-CIF), AND MACROPHAGE INHIBITORY FACTOR-4 (MIP-4) NUMBER OF SEQUENCES: 64
CORRESPONDENCE ADDRESS: ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, N.M., SUITE 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 14
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY:
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Forssmann, Wolf-Georg
Pardigol, Andreas
Magert, Hans-Jurgen
                                                                                                                                                                                                                                                                             DKWVQDYIKDMKEN 74
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APPLICANT: Li, Haodong
ITILE OF INVENTION: Myeloid Progenitor Inhibitory Factor-1 (MPIF-1)
ITILE OF INVENTION: Myeloid Progenitor Inhibitory Factor-1 (MPIF-1)
ITILE OF INVENTION: Polynucleotides and Polypeptides (As Amended)
IFILE REFERENCE: 1488.033000B
CURRENT FILING DATE: 1999-06-17
EARLIER APPLICATION NUMBER: US 08/208,339
EARLIER APPLICATION NUMBER: US 08/446,881
EARLIER FILING DATE: 1994-03-08
EARLIER FILING DATE: 1995-05-05
EARLIER APPLICATION NUMBER: US 08/446,881
EARLIER FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: US 08/465,682
EARLIER APPLICATION NUMBER: US 08/468,775
EARLIER APPLICATION NUMBER: US 08/722,719
EARLIER FILING DATE: 1995-06-06
EARLIER FILING DATE: 1996-09-30
NUMBER: US 08/722,719
                                                                                                                                                                                                                                                        ; TYPE: PRT; ORGANISM: Homo sapiens US-09-334-951-2
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TITLE OF INVENTION: NEW CC TYPE CHEMOKINES
FILE REFERENCE: 10496/F63140USO
CURRENT APPLICATION NUMBER: US/09/180,077A
CURRENT FILING DATE: 1998-12-30
EARLIER APPLICATION NUMBER: PCT/EP97/02217
EARLIER FILING DATE: 1997-04-30
EARLIER APPLICATION NUMBER: DE 196 17 312.4
EARLIER FILING DATE: 1996-04-30
NUMBER OF SEQ ID NOS: 12
                                                                                                                                                                       Best Loc
Matches
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SEQ ID NO 2
LENCTH: 93
TYPE: PRT
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Patent No. 6451562
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 65
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DKWVQDYIKDMKEN
                           DKWVQDYIKDMKEN 74
                                                                                     TKTESSSRGPYHPSECCFTYTTYKIPRORIMDYYETNSQCSKPGIVFITKRGHSVCTNPS
                                                                                                          TKTESSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPS
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                                                                                                                                                                     100.0%; Score 416; DB 2; llarity 100.0%; Pred. No. 3.4e-43; Conservative 0; Mismatches 0;
  93
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Sequence 2, Application US/09334954A
; Sequence 2, Application US/09334954A
; Sequence 2, Application US/09334954A
; Ratent No. 6623942
; GENERAL INFORMATION:
; APPLICANT: Ruben, Steven M.
; APPLICANT: Li, Haodong
; TITLE OF INVENTION: Macrophage Inflammatory Protein-4 (MIP-4) Polynucleotides
; TITLE OF INVENTION: (As Amended)
; FILE REPERENCE: 1488.03300CC
; CURRENT APPLICATION NUMBER: US/09/334,954A
; CURRENT PILING DATE: 1999-06-17
; PRIOR APPLICATION NUMBER: US 08/208,339
; PRIOR APPLICATION NUMBER: US 08/446,881
; PRIOR APPLICATION NUMBER: US 08/446,881
; PRIOR APPLICATION NUMBER: US 08/446,775
; PRIOR APPLICATION NUMBER: US 08/465,682
; PRIOR APPLICATION NUMBER: US 08/468,775
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/468,775
; PRIOR APPLICATION NUMBER: US 08/467,775
; PRIOR PILING DATE: 1996-09-30
; NUMBER OF SEQ ID NOS: 65
; SOFTMARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 93
; TYPE: BRT
; ORGANISM: Homo sapiens
US-09-334-954A-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION Steven M.

APPLICANT: Ruben, Steven M.

APPLICANT: Li, Haodong

FILE OF INVENTION: Macrophage Inflammatory Protein-4 (MIP-4) Polypeptides (As Amende PILE REFERENCE: 1488.033000D

CURRENT APPLICATION NUMBER: US/09/334,923A

CURRENT APPLICATION NUMBER: US/09/334,923A

CURRENT FILLING DATE: 1999-06-17

PRIOR APPLICATION NUMBER: US 08/208,339

PRIOR PILLING DATE: 1995-05-05

PRIOR PILLING DATE: 1995-05-05

PRIOR APPLICATION NUMBER: US 08/446,881

PRIOR APPLICATION NUMBER: US 08/465,682

PRIOR APPLICATION NUMBER: US 08/465,775

PRIOR APPLICATION NUMBER: US 08/468,775

PRIOR APPLICATION NUMBER: US 08/468,775

PRIOR APPLICATION NUMBER: US 08/468,775

PRIOR APPLICATION NUMBER: US 08/722,719

PRIOR RILING DATE: 1995-06-06

PRIOR APPLICATION NUMBER: US 08/722,719

PRIOR FILING DATE: 1995-09-30

SOFTWARE: PATENTION NUMBER: US 08/722,719

PRIOR FILING DATE: 1995-09-30

SEQ ID NO 2

SEQ ID NO 2

LENGTH: 93

TYPE: PRT
ORGANISM: Homo sapiens

US-09-334-923A-2
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US-09-334-954A-2
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US-09-334-923A-2
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Best Local Similarity 100.0%; F
Matches 74; Conservative 0;
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Patent No. 6488925
GENERAL INFORMATION:
Query Match
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100.0%;
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Pred. No. 3.4e-43;
Score 416;
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DB
2;
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Length 93;
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RESULT 10
US-09-571-013-2
; Sequence 2, Application US/09571013
; Patent No. 6811773
; GENERAL INFORMATION:
APPLICANT: GENTZ, REINER L.
; TITLE OF INVENTION: TREATING
TREATING
TREATING
TACTOR.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Jana, Frustaci
TITLE OF INVENTION: Detection and Treatment of Breast Cancer
FILE REFERENCE: 3380/11127-US3
CURRENT APPLICATION NUMBER: US/09/834,795A
CURRENT FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: 09/146,580
PRIOR FILING DATE: 1998-09-03
PRIOR APPLICATION NUMBER: 60/071,899
PRIOR APPLICATION NUMBER: 60/092,155
PRIOR APPLICATION NUMBER: 60/092,155
PRIOR APPLICATION NUMBER: 60/092,155
PRIOR FILING DATE: 1998-07-09
NUMBER OF SEQ ID NOS: 35
SOFTWARE: Patentin version 3.0
SEQ ID NO 30
LENGTH: 93
TYPE: DET
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; ORGANISM: Homo sapiens
US-09-834-795A-30
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US-09-834-795A-30
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APPLICANT: Lawrence, Papsidero
APPLICANT: Lyn, Dyster
APPLICANT: Jana, Frustaci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 30, Application US/09834795A Patent No. 6723518
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Best Local
COUNTRY: USA
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDJIM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
                                                                                                      NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
CORRESPONDENCE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 NEW YORK AVENUE, N.W., SUITE 600
CITY: WASHINGTON
STATE: DC
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80 DKWVQDYIKDMKEN 93
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20 TKTESSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPS 79
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100.0%; Pred. No. 3.4e-43;
vative 0; Mismatches 0;
                                                                                                                                                                                                                                THERAPEUTIC COMPOSITIONS AND METHODS FOR TREATING DISEASE STATES WITH MYELIOID PROGENITOR INHIBITORY EACTOR 1 (MPIF-1), MONOCYTE COLONY INHIBITORY FACTOR (M-CIF), AND MACROPHAGE INHIBITORY FACTOR-4 (MIP-4)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pred. No. 3.

Mismatches
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hes 0;
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PCT-US95-15484-6
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APPLICATION NUMBER: US 08/941,020

FILING DATE: 30-SEP-1997

APPLICATION NUMBER: US 60/027,299

FILING DATE: 30-SEP-1996

APPLICATION NUMBER: US 60/027,300

FILING DATE: 30-SEP-1996

APPLICATION NUMBER: US 60/027,300

FILING DATE: 30-SEP-1996

ATTORNEY/AGENT INFORMATION:

NAME: STEFFE, ERIC K.

REGISTRATION NUMBER: 36,688

REFERENCE/DOCKET NUMBER: 1488.0330009

TELEPONNE: (202) 371-2600

TELEPAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 2:

INFORMATION FOR SEQ ID NO: 2:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 6, Application PC/TUS9515484
GENERAL INFORMATION:
APPLICANT: INCYTE PHARMACEUTICALS, INC.
TITLE OF INVENTION: EXPRESSED CHEMOKINES, THEIR PRODUCTION AND
TITLE OF INVENTION: USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Matches
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                                                                                                                                                                                                                                                                                           ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                            COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/15484
FILLING DATE: 29-NOV-1995
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 PORTER DRIVE
                      ATTORNEY/AGENT INFORMATION: NAME: LUTHER, BARBARA J
                                                       PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/347,492
FILING DATE: 29-NOV-1994
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                            STATE: CA
                                                                                                                                                                                                                                                                                                                                                              COUNTRY:
REGISTRATION NUMBER: 33954
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Match 100.0%; Score 416; DB 2; Local Similarity 100.0%; Pred. No. 3.4e-43;
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SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/571,013
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: <Unknown>
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                                                                                                                                                                                                                                                                                                                                                                 USA
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                                                                                                                                                                                                                                 SEQ ID NO 1
LENGTH: 72
TYPE: PRT
ORGANISM: CKBeta-1
                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/567,225
CURRENT FILING DATE: 2000-10-09
PRIOR APPLICATION NUMBER: US 09/225,501
PRIOR APPLICATION NUMBER: US 60/006,051
PRIOR APPLICATION NUMBER: US 60/006,051
PRIOR PILING DATE: 1995-10-24
PRIOR APPLICATION NUMBER: US 08/740,033
PRIOR FILING DATE: 1996-10-23
NUMBER OF SEQ ID NOS: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
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Best Local S
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Li, Haodong
APPLICANT: Kreider, Brent L.
TITLE OF INVENTION: No. 6713052el Chemokine for Mobilizing Stem Cells
FILE REFERENCE: 1488.1550004
                                                                                                                                                                                                                                                                                                          SOFTWARE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: pe
IMMEDIATE SOURCE:
LIBRARY: Pituit
CLONE: 111571
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: amino acid
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                                                                                                                                                            Local Similarity
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                                                                                                                                         ch 97.4%; Score 405; DB 2; 1
l Similarity 100.0%; Pred. No. 5.5e-42;
72; Conservative 0; Mismatches 0;
                                                                                             1 TXTESSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPS 60
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                            DKWVQDYIKDMK 72
                                                                       TKTESSSRGPYHPSECCFTYTTYKIPRORIMDYYETNSOCSKPGIVFITKRGHSVCTNPS
                                                                                                                                                                                                                                                                                                          PatentIn version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              White, John R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            93 amino acids
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100.0%; Pred. No. 3.4e-43;
tive 0; Mismatches 0;
                                                                                                                                                                              Length 72;
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US-09-180-077-12 ; Sequence 12, Application US/09180077A ; Patent No. 6180773

RESULT 13

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COUNTRY: USA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/421,144A
FILING DATE: 13-APR-1995
CLASSIFICATION: 435-1995
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J.
REGISTRATION NUMBER: 33954
REFERENCE/DOCKET NUMBER: PF-0031 US
TELEPHONE: 415-855-0555
TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: POTESMANN, Wolf-Georg
APPLICANT: POTESMANN, Wolf-Georg
APPLICANT: Magert, Hans-Ourgen
APPLICANT: Schulz-Knappe, Peter
ITILE OF INVENTION: NEW CC TYPE CHEMOKINES
FILE REFERENCE: 10496/P63140USO
CURRENT APPLICATION NUMBER: US/09/180,077A
CURRENT FILING DATE: 1998-12-30
CURRENT EPLICATION NUMBER: PCT/EP97/02217
EARLIER APPLICATION NUMBER: PCT/EP97/02217
EARLIER FILING DATE: 1997-04-30
BARLIER FILING DATE: 1996-04-30
NUMBER OF SEQ ID NOS: 12
SEQ ID NO 12
SEQ ID NO 12
LENGTH: 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             망
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-421-144A-9
                               INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 86 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 9, Application US/08421144A Patent No. 5874211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 94.7%;
Best Local Similarity 81.1%;
Matches 73; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Patent No. 5874211
GENERAL INFORMATION:
APPLICANT: BANDMA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: BANDMAN, OLGA
APPLICANT: COLEMAN, ROGER
APPLICANT: STUART, SUSAN G.
TITLE OP INVENTION: NEW CHEMOKINE EXPRESSED IN EOSINOPHILS
NUMBER OF SEQUENCES: 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             80
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20 TKTESSSQTGGKPKVVKIQLKLVGGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPG 79
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single
linear
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COMPUTER READABLE FORM:

MEDIUM TYPE: Ploppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PALENTIN Release #1.0, Version #1.30B
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/330,163
FILING DATE: 05-AUG-1994
CLASSIFICATION: 1530
ATTORNEY, AGENT INFORMATION:
NAME: FASSE, J. Peter
REGISTRATION NUMBER: 00231/080001
FILING DATE: 05-AUG-1994
CLASSIFICATION: 10FORMATION:
NAME: FASSE, J. Peter
REGISTRATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPRONE: (617) 542-5070
TELEPRONE: (617) 542-8006
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 72 amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: amino acids
TYPE: manino acids
TYPE: manino acids
TYPE: manino acids
TYPE: TOPOLOGY: linear
POPOLOGY: linear
OLECULE TYPE: peptide
US-08-330-163-13
Search completed: January 10, 2006, 23:01:07 Job time: 47 secs
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US-08-330-163-13
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                                                                                                                                                                                                                                                 Query Match
Best Local S
Matches 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 13, Application US/08330163
Patent No. 5656724
GENERAL INFORMATION:
APPLICANT: Daly, Thomas J.
APPLICANT: LaRosa, Gregory J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson
STREET: 225 Franklin Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: Cher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local
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                                                                                65 QDYIKDMK 72
| |: |::
62 QKYVSDLE 69
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13 PSECCETYTTYKIERQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPSDKWVQDYIK 69
                                                                                                                                                              ch 52.6%; Score 219; DB 1; Length 72;
l Similarity 51.5%; Pred. No. 2.5e-19;
35; Conservative 17; Mismatches 16; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Boston
: MA
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Similarity 64.9%; Pred. No. 2.5e-20;
37; Conservative 10; Mismatches 10; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    U.S.A.
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Title:
Perfect score:
Sequence:
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                                                                                                             Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                    Minimum DB seq length: 0
Maximum DB seq length: 200000000
                                                                                                                                                                                                                                          Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                              Searched:
                                                                                                                                                                                                                                                                                                                                Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Run on:
                                                                            Database:
PIR_80:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*
                                                                                                                                                                                                                                                                                                                 BLOSUM62
Gapop 10.0 , Gapext 0.5
                                                                                                                                                                                                                                                                          283416 segs, 96216763 residues
                                                                                                                                                                                                                                                                                                                                                                        US-10-760-557-6
416
1 TKTESSSRGPYHPSECCFTY.....VCTNPSDKWVQDYIKDMKEN 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                 January 10, 2006, 22:52:16; Search time 38 Seconds (without alignments) 187.369 Million cell updates/sec
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GenCore version 5.1.6
Copyright (c) 1993 - 2006 Compugen Ltd.
                                                                                                                                                                                                                                               283416
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

29	28	27	26	25	24				20	19	18	17		15			12	11	10	ø			თ	տ	4	ω	2	1	. 4	
113	119	122	122.5	123.5	123.5	126	127.5	128.5	136	136	138.5	139.5	144	145.5	145.5	150.5	157.5	163	163.5	167	172	191.5	200.5	212	216	218	218	219	Score	
27.2	28.6	29.3	9	29.7	29.7	30.3	30.6		۰	32.7	•	٠	•	35.0				39.2			•				۲	52.4	52.4	52.6	Query	a 40
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RIHUL	A37236	A55984	A60299	I48099	JC2478	I48147	JC2417	JC4912	JC2336	A39296	A54678	I46857	JC2136	S07723	JC5295	A30209	I49555	C60407	JE0177	A46539	A28815	I52322	A32393	A31767	I46730	B35673	C30552	A30574	ID	
TAMDIOCACCIII brecu	I-309 protein prec	monocyte chemotact	monocyte chemoattr	eotaxin precursor	eotaxin precursor	monocyte chemoattr	monocyte chemoattr	eotaxin precursor	monocyte chemoattr	monocyte chemoattr		monocyte chemoattr	monocyte chemoattr	immediate-early se	monocyte chemotact	PDGF-inducible JE	gene C10 protein -		lymphocyte and mon	monocyte chemoattr	monocyte chemoattr	macrophage inflamm	macrophage inflamm		immune activation	LD78-beta protein	macrophage inflamm		Description	

4 4 5 4	43	42	41	40	39	ა 8	37	36	35	3 4	33	32	31	30
63.5	65	66	66	68.5	68.5	68.5	68.5	71	71.5	75.5	77.5	86.5	92	107.5
15.3	15.6	15.9	15.9	16.5	16.5	16.5	16.5	17.1	17.2	18.1	18.6	20.8	22.1	25.8
461	348	942	101	316	311	103	103	103	101	101	95	92	114	97
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A35356	T03911	T19553	I48148	H90372	T23873	A26736	150417	A53096	146871	S42496	JN0841	S24236	ETMSL	A48093
tumor necrosis fac	protein	hypothetical prote	Neutrophil attract	catechol 2,3-dloxy	hypothetical prote	transformation-ind	RSV-induced protei	interleukin-8 prec	interleukin-8 - ra	interleukin-8 prec	interleukin-8 - do	=	lymphotactin precu	monocytic cytokine

ALIGNMENTS

ecu rec		or r ttr	act se	and re	mon ttr		amm amm	•		
Query Match Best Local Similarity	A;Map position: 17q11-17q21 C;Superfamily: macrophage in F;1-20/Domain: signal sequent F;21-92/Product: macrophage F;33-57,34-73/Disulfide bon	C; Genetics: A; Gene: GDB: SCYA3 A; Cross-reference	A;Status: preliminary A;Molecule type: mRNA A;Residues: 1-92 -COBA> A;Cross-references: UN	J. Blochem. 99, 885 A;Title: A cDNA clo: A;Reference number: A;Accession: A24198	A; PULICULE Cype: macer A; Residues: 1-92 cBLU> A; Cross-references: UN R; Obaru, K.; Fukuda, M	A; Reference number: A; A; Accession: A30412 A; Accession: A50412	A; Molecule type: mRNA A; Residues: 1-92 <zip- a;="" blum,="" cross-references:="" forsdyke,="" i<="" r;="" s.;="" th="" uni=""><th>A; Molecule type: DNA A; Residues: 1-92 «NAK» A; Cross-references: UN R; Zipfel, P.F.; Balke, J. Immunol. 142, 1582- A; Title: Mitogenic act A; Reference number: A30574 A; Accession: A30574</th><th>C; Species: Homo sap C; Date: 03-Aug-1992 C; Date: 03-Aug-1992 C; Accession: A35673 R; Nakao, M.; Nomiya Mol. Cell. Biol. 10 A; Title: Structures A; Reference number: A; Accession: A35673</th><th>RESULT 1 A30574 macrophage infla</th></zip->	A; Molecule type: DNA A; Residues: 1-92 «NAK» A; Cross-references: UN R; Zipfel, P.F.; Balke, J. Immunol. 142, 1582- A; Title: Mitogenic act A; Reference number: A30574 A; Accession: A30574	C; Species: Homo sap C; Date: 03-Aug-1992 C; Date: 03-Aug-1992 C; Accession: A35673 R; Nakao, M.; Nomiya Mol. Cell. Biol. 10 A; Title: Structures A; Reference number: A; Accession: A35673	RESULT 1 A30574 macrophage infla
52.6%; Score 219; DB 2; Length 92; nilarity 51.5%; Pred. No. 1.5e-17;	nflammatory protein nce #status predicted inflammatory protein ds: #status predicted	C;Genetice: A;Gene: GDB:SCYA3 A;Cross-references: GDB:120368; OMIM:182283	A;Status: preliminary A;Molecule type: mRNA A;Residues: 1-92 -COBA> A;Cross-references: UNIPARC:UPI00001362C9; GB:X03754; NID:g34298; PIDN:CAA27388.1;	J. Blochem. 99, 885-894, 1986 A,TILLE: A CDNA clone used to study mRNA inducible in human tonsillar lymphocytes by a tu A;Reference number: A24198; MUID:86223879; PMID:3086300 A;Accession: A24198	. ABLUS - ABLUS Les: UNIPARC:UPI00001362C9; GB:M23178; GB:M32337 Luda, M.; Maeda, S.; Shimada, K.	homologs of a murine gene encoding thomologs of a murine gene encoding 30412; MUID:91103879; PMID:2271120	A;Molecule type: mRNA A;Residues: 1-92 <zip> A;Residues: 1-92 <zip> A;Cross-references: UNIPARC:UPI00001362C9; GB:M25315; NID:g602452; PIDN:AAA57255.1; PID:ç A;Blum.Cell Biol 9 SR9-602 1990</zip></zip>	A;Molecule type: DNA A;Residues: 1-92 <nak> A;Cross-references: UNIPROT:P10147; UNIPARC:UPI00001362C9; GB:D90144; NID:g219905; PIDN:ER;Zipfel, P.F.; Balke, J.; Irving, S.G.; Kelly, K.; Siebenlist, U. J. Immunol. 142, 1582-1590, 1989 J. Title: Mitogenic activation of human T cells induces two closely related genes which star,Reference number: A30574; MUID:89140347; PMID:2521882 A;Recession: A30574</nak></nak></nak></nak></nak></nak>	C;Species: Homo sapiens (man) C;Bate: 03-Aug-1992 #sequence revision 03-Aug-1992 #text_change 09-Jul-2004 C;Accession: A35673; A30574; A30412; A24198; A30908 C;Accession: A35673; A50574; A30412; A24198; A30908 R;Nakao, M; Nomilyama, H; Shimada, K. Mol. Cell. Biol. 10, 3646-3658, 1990 Mol. Cell. Biol. 10, 3646-3658, 1990 A;Title: Structures of human genes coding for cytokine LD78 and their expression. A;Reference number: A35673; MUID:90287155; PMID:1694014 A;Accession: A35673	RESULT 1 A30574 macrophage inflammatory protein 1-alpha precursor - human N,Alternate names: LD78-alpha protein precursor; lymphocyte tumor promoter-induced
	<sig> 1-alpha #status predicted <mat></mat></sig>		8; PIDN:CAA27388.1; PID:G'	sillar lymphocytes by a tu	; NID:g182846; PIDN:AAA358	an inhibitor of stem cell prolife	52; PIDN:AAA57255.1; PID:ç	90144; NID:g219905; PIDN:E U. ely related genes which sh	09-Jul-2004 their expression.	or promoter-induced protei

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A;Residues: 1.92 <ABROVAL, Cross-references: UNIPROT:P14097; UNIPARC:UPI0000000293; GB:M23503; NID:g533244; PIDN: R;Sherry, B.; Tekamp-Olson, P.; Gallegos, C.; Bauer, D.; Davatelis, G.; Wolpe, S.D.; Mas J. Exp. Med. 168, 2251-2259, 1988

A;Title: Resolution of the two components of macrophage inflammatory protein 1, and clor A;Reference number: J10088; MUID:89067830; PMID:3058856

A;Recession: J10088

A;Molecule type: mRNA
A;Residues: 1-92 <SHE>
A;Cross-references: UNIPARC:UPI0000000293; GB:M35590; NID:g199696; PIDN:AAA39708.1; PID: A;Accession: PS0304

A;Molecule type: protein
A;Cross-references: UNIPARC:UPI0000176746
A;Molecule type: Drotein
A;Cross-references: UNIPARC:UPI0000176746
A;Daubersies, P.; Lepretre, F.; Bailleul, B.; Grove, M.; Pragnell, I.; Plumb, M.
submitted to the EMBL Data Library, October 1991
A;Description: Sequence of the murine macrophage inflammatory protein 1b gene.
A;Accession: S22042
A;Accession: S22042
A;Accession: S22042
A;Accession: S22042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Status: preliminary
A;Molecule type: DNA
A;Residuse: 1-92 < DAUs
A;Residuse: 1-92 < DAUs
A;Cross-references: UNIPARC:UPI0000000293; EMBL;X62502; NID:g53126; PIDN:CAA44364.1;
C;Cenment: This protein is a monokine.
C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           macrophage inflammatory protein 1-beta precursor - mouse N;Alternate names: H400; SIS gamma; T-cell activation protein gamma C;Species: Mus musculus (house mouse) C;Date: 28-Aug-1989 #sequence revision 28-Aug-1989 #text_change 09-Jul-2004 C;Accession: C30552; JLO088; FS0304; S22042 C;Accession: C30552 MJID:899993958; PMID:2521353 A;Accession: C30552 MJID:89093958; PMID:2521353 A;Molecule type: mENA A;PMID: MENA A;Molecule type: mENA A;Molecule type: mENA
                                                                                                                                                                                                                                                                                                                                                                                                       A;Introns: 26/1; 64/2
C;Superfamily: macrophage inflammatory protein
C;Keywords: 9lycoprotein
C;Keywords: 9lycoprotein
F;1-23/Domain: signal sequence #status predicted <SIG>
F;24-92/Product: macrophage inflammatory protein 1-beta #status experimental <MAT>
F;76/Binding site: carbohydrate (Asn) (covalent) #status predicted
RESULT 3
B35673
LD78-beta protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Genetics: 26/1; 64/2
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                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                               SSRGYHPSECCFTYTYKIPRORIMDYYETNSOCSKOGIVFTTKRGHSVCTWPSDKWV 64
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     precursor
                                                                                                                                  92
                                                                                                                                                                                                                                                                                                                                                   52.4%;
           human
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                                                                                                                                                                                                                                                                                                                              Score 218; DB 2; Length 92;
Pred. No. 1.9e-17;
6; Mismatches 19; Indels
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I46730
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                                                                                                                                                         A;Cross-references: UNIPRO
C;Superfamily: macrophage
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A; Residues: 1-93 <IRV>
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A; Residues: 1-93 < NAK>
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                                                                                                                                                                                                       A; Molecule type: mRNA
A; Residues: 1-92 < MOR>
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                                                            Matches
                                                                                 Query Match
Best Local
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Best Local :
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           SSSRGPYHPSECCFTYTTYKIPRQRIMDYYETNSQCSKPGIVFITKRGHSVCTNPSDKWV
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В ક 유왕

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N;Alternate names: macrophage inflammatory protein homolog GOS19-2; small inducible C;Species: Homo sapiens (man)
C;Date: 28-Sep-1990 #sequence_revision 28-Sep-1990 #text_change 09-Jul-2004
C;Accession: B35673; B30412; S10157; B30908
R;Nakao, M.; Nomiyama, H.; Shimada, K.
MOI. Cell. Biol. 10, 3646-3658, 1990
A;Title: Structures of human genes coding for cytokine LD78 and their expression.
A;Reference number: A35673; MUID:90287155; PMID:1694014
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Accession: I46730
R;MorI, S.; Goto, K.; Goto, F.; Mutakami, K.; Ohkawara, S.; Yoshinaga, M. Int. Immunol. 6, 149-156, 1994
A;Title: Dynamic changes in mRNA expression of neutrophils during the cou A;Reference number: 146730; MUID:94198229; PMID:8148323
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A;Map position: 17q11-17q21
A;Introns: 26/1; 64/2
C;Superfamily: macrophage inflammatory protein
C;Keywords: cytokine
F;1-22/Domain: signal sequence #status predicted <SIG>F;23-93/Product: LD78-beta protein #status predicted <
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A/Cross-references: UNIPARC:UPI000004457D; EMBL:X52149; NID:g34750; PIDN:CAA36397.1; PID:C/Comment: This protein is a member of a "small inducible" or "activation specific" gene C/Genetics:
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A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-93 <BLU>
A;Residues: 1-93 <BLU>
A;Residues: 1-93 <BLU>
A;Cross-references: UNIPARC:UPI000004457D; GB:M24110; GB:M32338; NID:g182848; PIDN:AAA358
A;Cross-references: UNIPARC:UPI000004457D; GB:M24110; GB:M32338; NID:g182848; PIDN:AAA358
A;Irving, S.G.; Zipfel, P.F.; Balke, J.; McBride, O.W.; Morton, C.C.; Burd, P.R.; Siebenl
Nucleic Acids Res. 18, 3261-3270, 1990
Nucleic Acids Res. 18, 3261-3270, 1990
A;Title: Two inflammatory mediator cytokine genes are closely linked and variably amplifi
A;Reference number: S10157; MUID:90287702; pMID:1972563
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DNA Cell Biol. 9, 589-602, 1990

End Cell Biol. 9, 589-602, 1990

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C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Date: 14-Feb-1997 #sequence_revision 14-Feb-1997 #text_change 09-Jul-2004
C;Accession: I46730
                                                                                                                                                                                                                                                                                                                                                                                                                             Status: preliminary; translated from GB/EMBL/DDBJ
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                                             51.9%;
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15;
Score 216; DI
Pred. No. 3.20
5; Mismatches
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Pred. No. 1.9e-17;
6; Mismatches 11
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                                                                                          Length 92
      Indels
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Gaps
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A; Molecule type: mRNA
A; Residues: 1-92 <CHA>
A; Cross-references: UNIPARC: UPI00001362CC; GB:X16166; NID:g32035; PIDN:CAA34291.1; 1
A; Cross-references: UNIPARC: UPI00001362CC; GB:X16166; NID:g32035; PIDN:CAA34291.1; 1
A; Cross-references: UNIPARC: ITVing, S.G.; Kelly, K.; Siebenlist, U.

J. Immunol. 142, 1582-1590, 1989
J. Immunol. 142, 1582-1590, 1989
J. Timetrol. 142, 1582-1590, 1989
J. Timetrol. 143, 1985-14
A; Residues: A30574; MUID:89140347; PMID:2521882
A; Residues: 1-19, 'L', 21-92 <ZIP>
A; Residues: 1-19, 'L', 21-92 <ZIP>
A; Cross-references: UNIPARC: [UPI000016A787; GB:M25316; NID:g602454; PIDN:AAA57256.1;
A; Cross-references: UNIPARC: [UPI000016A787; GB:M25316; NID:g602454; PIDN:AAA57256.1;
A; Miller, M.D.; Hata, S.; Malefyt, R.D.W.; Krangel, M.S.
J. Immunol. 143, 2907-2916, 1989
A; Title: A novel polypoptide secreted by activated human T lymphocytes.
A; Reference number: A45817; MUID:90038522; PMID:2809212
A; Accession: B45817; MUID:90038522; PMID:2809212
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A; Residues: 1-92 < LIP>
A; Cross-references: UNIPARC: UPI00001362CC;
R; Chang, H.C.; Reinherz, E.L.
Ry Chang, H.C.; Reinherz, E.L.
Eur. J. Immunol. 19, 1045-1051, 1989
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A;Residues: 1-14,'S',16-69,'G',71-92 <NAP>
A;Residues: 1-14,'S',16-69,'G',71-92 <NAP>
A;Cross-references: UNIPARC:UPI00016A493; GB:M69201; NID:g178021
A;Note: 15-Ala was also found
B;Note: 15-Ala was also found
R;Lipes, M.A.; Napolitano, M.; Jeang, K.T.; Chang, N.T.; Leonard, W.J.
Proc. Natl. Acad. Sci. U.S.A. 85, 9704-9708, 1988
A;Title: Identification, cloning, and characterization of an immune activation A;Reference number: A31767; MUID:89071764; PMID:2462251
A;Accession: A31767; MUID:89071764; PMID:2462251
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C;Date: 07-uun-1990 #sequence revision 29-May-1998 #text change 09-Jul-2004
C;Date: 07-uun-1990 #sequence revision 29-May-1998 #text change 09-Jul-2004
C;Accession: JH0319; A40978; Ā31767; A37411; B30574; B45817; D30552
R;Baixeras, E.; Roman-Roman, S.; Jitsukawa, S.; Genevee, C.; Mechiche, S.;
Mol. Immunol. 27, 1091-1102, 1990
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                                                              A;Residues: 7-55,'I',57-79,'T',81-92 <MIL>
A;Residues: 7-55,'I',57-79,'T',81-92 <MIL>
A;Cross-references: UNIPARC;UPI00001735A0; GB:M57503; NID:g339726; PIDN:AAA36752.1; R;Brown, K.D.; Zurawski, S.M.; Mosmann, T.R.; Zurawski, G.
J. Immunol. 142, 679-687, 1989
A;Title: A family of small inducible proteins secreted by leukocytes are members of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: DNA
A; Residues: 1-92 <BAI>
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A; Residues: 7-55, 'I',
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A;Accession: A37411
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of various activation processes.
;Reference number: A30552; MUID:89093958; PMID:252135;
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A/Cross-references: GDB:127451; OMIM:153335
A/Map position: 17q21-17q21
A/Introns: 26/1; 64/2
C/Superfamily: manner
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MyAlternate names: heparin-binding chemotaxis protein; L2G25B protein; SCI/MIP-la; SIS al
C;Species: Mus musculus (house mouse)
C;Date: 17-Jul-1992 #sequence revision 17-Jul-1992 #text change 09-Jul-2004
C;Accession: S11685; A32393; S04533; A53885; A30552; PS0303; A27596; I56104
R;Grove, M.; Lowe, S.; Graham, G.; Pragnell, I.; Plumb, M.
Nucleic Acids Res. 18, 5561, 1990
Nucleic Acids Res. 18, 5561, 1990
A,Title: Sequence of the murine haemopoietic stem cell inhibitor/macrophage inflammatory
A;Reference number: S11685; MUID:91016858; PMID:2216738
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Residues: 1-39, 'REASS', 46-92 <BRO>
A;Cross-references: UNIPARC:UPI0000147059; GB:M23502; NID:g533212; PIDN:AAA36656.1; PID:Q A;Cross-references: UNIPARC:UPI0000147059; GB:M23502; NID:g533212; PIDN:AAA36656.1; PID:Q A;Cone, G.M.; Lodi, P.J.; Garrett, D.S.; Gronenborn, A.M.
submitted to the Brookhaven Protein Data Bank, January 1994
A;Reference number: A52206; PDB:1HUM
A;Reference number: A52206; PDB:1HUM
A;Contents: annotation; conformation and disulfide bond assignments by (1)H-NMR, residues
                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPARC:UPI000020B06; GB:J04491; NID:g201524; PIDN:AAA40304.1; R;Davatelis, G.; Tekamp-Olson, P.; Wolpe, S.D.; Hermsen, K.; Luedke, C.; Gallegos, C. J. Exp. Med. 167, 1939-1944, 1988
A;Title: Cloning and characterization of a cDNA for murine macrophage inflammatory FA;Reference number: S04533; MUID:88258380; PMID:3290382
A;Accession: S04533
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Proc. Natl. Acad. Sci. U.S.A. 86, 1963-1967, 1989 A;Title: cDNA sequence of two inducible T-cell ger A;Reference number: A32393; MUID:89184547; PMID:27 A;Accession: A32393
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Cross-references: UNIPROT:P10855; UNIPARC:UPI0000020B06; EMBL:X53372; NID:954062; PIDN:A;Note: the authors' translation of the nucleotide sequence differs at several positions R;Kwon, B.S.; Weissman, S.M.
                                                                                               A;Note: the authors translated the codon GAG for residue 49 A;Note: the sequence has been corrected in reference A53885 R;Davatelis, G.; Tekamp-Olson, P.; Wolpe, S.D.; Hermsen, K.; J. Exp. Med. 170, 2189, 1989
                                                                                                                                                                                                                                A;Molecule type: mRNA
A;Residues: 1-48,'E',50-90,'I',92 <DA2>
A;Cross-references: UNIPARC:UT10000176749; EMBL:X12531
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A; Molecule type: mRNA
A; Residues: 1-92 < KWO>
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A; Residues: 1-92 < GRO>
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A; Accession: A53885
                                     A; Contents: erratum
                                                                    A; Reference number: A53885
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                                                                                                                                                                                                     as Asp and ATT for residue 91
                                                                                                                                           Luedke, C.; Gallegos,
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macrophage inflammatory protein-lalpha - rat
C;Species: Rattus norvegicus (Norway rat)
C;Accession: I52322
R;Shi, M.M.; Godleski, J.J.; Paulauskis, J.D.
Biochem. Biophys. Res. Commun. 211, 289-295, 1995
Biochem. Biophys. Res. Commun. 211, 289-295, 1995
A;Title: Molecular cloning and posttranscriptional regulation of:
A;Title: Molecular cloning and posttranscriptional regulation of:
A;Accession: I52322
A;Accession: I52322; MUID:95298037; PMID:7779098
A;Accession: I52322
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-92 - RESS-
A;Cross-references: UNIPROT:P50229; UNIPARC:UPI00001362CA; EMEL:U:C;Superfamily: macrophage inflammatory protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    J. Immunol. 142, 679-687, 1999
A.Title: A family of small inducible proteins secreted by leukocytes are members of a nd s of various activation processes.

A.Reference number: A30552; MUID:89093958; PMID:2521353
A.Accession: A30552
A.Molecule: type: mANA
A.Residues: 1-21, 'L', 23-61,'A', 63-92 CROS
A.Residues: 1-21, 'L', 23-61,'A', 63-92 CROS
A.Residues: 1-22, 'L', 23-61,'A', 63-92 CROS
A.Residues: 1-21, 'L', 23-61,'A', 63-92 CROS
A.Residues: 1-22, 'L', 23-61,'A', 63-92 CROS
A.Residues: 1-22, 'L', 23-61,'A', 63-92 CROS
A.Residues: 2-23, 'Residues: UNIPARC:UPI00016005B; GB:M23447; NID:9533240; PIDN:AAA40146.1; PID:
R.Sherry, B.; Tekamp-Olson, P.; Gallegos, C.; Bauer, D.; Davatelis, G.; Wolpe, S.D.; Mas
J. Exp. Med. 160, 2521-2225, 1988
A.Title: Resolution of the two components of macrophage inflammatory protein 1, and clor
A.Reference number: JU0088; MUID:89067830; PMID:3058856
A.Rocession: P50303
A.; Molecule type: mANA
A.Fitle: Macrophages secrete a novel heparin-binding protein with inflammatory and neutr
A.; Reference number: A7596; MUID:88154745; PMID:3259154
A.; Molecule type: June 1980; MUID:88154745; PMID:3279154
A.; Molecule type: June 1980; MUID:88154745; PMID:323269
A.; Molecule type: June 1980; MUID:88154745
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J. Immunol. 142, 679-687, 1989
A;Title: A family of small inducible proteins secreted by leukocytes are members of a sof various activation processes.
A;Reference number: A30552; MUID:89093958; PMID:2521353
A;Accession: A30552
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; Pred. No. 1.8e
17; Mismatches
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nes 18;
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                                                        PIC
                                                                                                                                                                                                    RESULT 9
A46339
monocyte chemoattractant cytokine RANTES precursor - mouse
MA6539
C;Bpccies: Mus musculus (house mouse)
C;Bpccies: Mus musculus (house mouse)
C;Date: 18-Jun-1993 #sequence revision 16-Aug-1996 #text_change 09-Jul-2004
C;Accession: I48875; A46539; I48654; I56970
R;Danoff T M.; Lalley, P.A.; Chang, Y.S.; Heeger, P.S.; Neilson, E.G.
J. Immunol. 152, 1182-1189, 1994
A;Fittle: Cloning, genomic organization, and chromosomal localization of the A;Fittle: Cloning, genomic organization, PMID:7507961
A;Accession: I48875
A;Accession: I48875
A;Residues: 191 cDAN
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A28815
                                                 A;Cross-references: UNIPROT:P30882; UNIPARC:UPI000000028C; EMBL:U02298; NR;Schall, T.J.; Simpson, N.J.; Mak, J.Y.

Bur. J. Immunol. 23, 1477-1481, 1992
A;Title: Molecular cloning and expression of the murine RANTES cytokine:
A;Reference number: A46539; MUID:92289805; PMID:1376260
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monocyte chemoattractant cytokine RANTES precursor - human
MyAlternate names: small inducible cytokine A5; T-cell specific cytokine RANTES
C;Species: Homo sapiens (man)
C;Date: 30-Jun-1989 #sequence_revision 16-Aug-1996 #text_change 09-Jul-2004
C;Accession: A28815
R;Schall, T.J.; Jongstra, J.; Dyer, B.J.; Jorgensen, J.; Clayberger, C.; Davis,
J. Immunol. 141, 1018-1025, 1988
A;Title: A human T cell-specific molecule is a member of a new gene family.
A;Reference number: A28815; MUID:88285659; PMID:2456327
A;Accession: A28815
A;Molecule type: mRNA
A;Residues: 1-91 csCH-
A;Reference mRNA
A;Residues: 1-91 csCH-
                                                                                                                                                                                                                                                                                                                                                     A;Gene: GDB:SCYA5; D178136E
A;Gross-references: GDB:120749; OMIM:187011
A;Map position: 17q11.2-17q12
G;Superfamily: macrophage inflammatory protein
C;Keywords: Chemotaxis; Cytokine; immediate-early protein; inflammation;
F;1-23/Domain: signal sequence #status predicted <SIG>
F;24-91/Product: T-cell protein RANTES #status predicted <MAT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Crobs-references: UNIPROT:P13501; UNIPARC:UPI000004A187; GB:M21121 C;Comment: The acronym RANTES reflects the description "Regulated upon C;Genetics:
                                                                                                         81 VREYINSLE 89
                                               64 VODYIKDMK 72
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           l Similarity
27; Conserv
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32; Conservative
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                                                                                                                                                                                                                                        Conservative
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                                                                                                                                                                                                                                        41.3%; Score 172; DE 39.1%; Pred. No. 2.86 cive 15; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18;
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                                                                                                                                                                                                                                                                     DB 1;
2.8e-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              .8e-14;
es 19;
                                                                                                                                                                                                                                                                                               Length 91
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Κrę

EMBL: U02298; NID: 9460090;

PID

Scya5

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A; Molecule type: mRNA
A; Molecule type: mRNA
A; Residues: 1-18, 'A', '20-91 < SCH>
A; Riccoss - references: UNIPARC: UPPI0000151811; GB:S37648; NID:g250207; PIDN:AAB222330.1; PID: A; Riccoss - references: Macrophage cell line PU5-1.8
A; Nine: 18.5; Drysdale, B.E.; Shin, M.L.; Noble, P.W.; Fisher, S.N.; Paznekas, W.A.
Mol. Cell. Biol. 14, 2914-2925, 1994
Mol. Cell. Biol. 14, 2914-2925, 1994
A; Title: Definition of a lipopolysaccharide-responsive element in the 5'-flanking region A; Title: Definition of a lipopolysaccharide-responsive element in the 5'-flanking region A; Reference number: 148654; MUID:94217689; PMID:7513046
A; Accession: I48654
A; Accession: I48654
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 10
JE0177
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A;Title: Isolation and characterization of cDNA from renal tubular A;Reference number: I56970; MUID:92277990; PMID:1375672
A;Accession: I56970
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Cross-references: UNIPARC:UPI000000028C; EMBL:X70675; NID:g475205; PIDN:CAA50011.1; R;Neilson, E.G.; Krensky, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPARC:UPI000016380F; GB:M77747; NID:g200649; PIDN:AAA40029.1; C;Comment: This chemoattractant for monocytes but not neutrophils is an immediate-ea
monocyte adherence-induced protein 5
C;Species: Homo sapiens (man)
C;Date: 06-Nov-1992 #sequence_revisic
                                                                                 RESULT
C60407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Title: Isolation and characterization of LMC, a novel lymphocyte and monocyte A;Reference number: JE0177; MUID:98308096; PMID:9642106 A;Accession: JE0177
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A; Residues: 1-40,'E',42-91 <NEI>
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A; Residues: 1-91 <SHI>
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A; Residues: 1-120 < YOU>
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R;Youn, B.S.; Zhang, S.; Broxmeryer, H.B.; Antol, K.; Fraser Jr., M.J.; Hangoc, Biochem. Biophys. Res. Commun. 247, 217-222, 1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        lymphocyte and monocyte chemoattractant CC chemokine - human
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;Introns: 26/1; 63/2
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Best Local
                                                                                                                                                                                                                                                                                                                         Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Species: Homo sapiens (man)
Date: 10-Jul-1998 #sequence_revision 10-Jul-1998 #text_change
                                                                                                                                                                                                                                                                                                                                                                                                     Cross-references: UNIPARC:UPI000017C296
                                                                                                                                                                                                                                                                                                                         Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 27;
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                                                                                                                                                                                                                                     PSECCETYTTYKIPRORIMDYYETNSOCSKPGIVFITKRGHSVCTNPSDKWVQDYIKD 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PY--HPSECCFTYTTYKIPRORIMDYYETNSQCSKPGIVFITKRGHSVCTNPSDKWVQDY
                                                                                                                                                                                           PSTCCLKYYE-KVPLRRLVVGYRKALNCHLPAIIFVTKRNREVCTNPNDDWVQEYIKD 90
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  #sequence_revision 06-Nov-1992
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44.3%; Pred. No. 1e-11;
tive 12; Mismatches 20; Indels
                                                                                                                                                                                                                                                                                                                      39.3%;
                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                             Score 163.5; DB 2;
Pred. No. 3.3e-11;
8; Mismatches 20;
                                                        beta
                                                        human
                                                          (fragment)
#text_change
                                                                                                                                                                                                                                                                                                   Indels
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        31-Dec-2004
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R;Sporn, S.A.; Eierman, D.F.; Johnson, C.E.; Morris, J.; Martin, G.; J. Immunol. 144, 4434-4441, 1990
A;Title: Monocyte adherence results in selective induction of novel A;Reference number: A60407; MUID:90257367; PMID:2341726
A;Accession: C60407
                                                                                                                                       R;Kawahara, R.S.; Deuel, T.F.

J. Biol. Chem. 264, 679-682, 1989

J. Biol. Chem. 264, 679-682, 1989

A;Title: Platelet-derived growth factor-inducible gene JE

A;Title: Platelet-derived growth factor-inducible gene JE

A;Title: Platelet-derived growth factor-inducible gene JE
                                                                                                                                                                                                                                                                                                                                                                                                                                                        A30209

DGGF-Inducible JE glycoprotein precursor - mouse

C;Species: Mus musculus (house mouse)

C;Date: 10-Sep-1999 #sequence revision 10-Sep-1999 #text_change 09-Jul-2004

C;Accession: A30209; A44771; A30861

R;Rollins, B.J.; Morrison, E.D.; Stiles, C.D.

Proc. Natl. Acad. Sci. U.S.A. 85, 3738-3742, 1988

Proc. Natl. Acad. Sci. U.S.A. 85, 3738-3742, 1988

A;Reference number: A30209; MUID:88234501; PMID:3287374

A;Accession: A30209; MUID:88234501; PMID:3287374
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C;Species: Mus musculus (house mouse)
C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004
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A;Residues: 1-50 <SPO>
A;Cross-references: UNIPROT:Q8NHW4; UNIPARC:UPI0000176747
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A;Residues: 1-116 <RES>
A;Cross-references: UNIPROT:P27784; UNIPARC:UPI000000028D; GB:M58004; NID:g192243;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cell Regul. 2, 403-412, 1991
A;Title: Novel expression pattern of a new member of the
A;Reference number: I49555; MUID:91370083; PMID:1832565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A; Status: preliminary; not compared with conceptual translation
A; Molecule type: DNA; mRNA
A; Residues: 1-148 < KA2>
A; Cross-references: UNIPAR(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A; Reference number: A; Accession: I49555
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                                                                                                                              A;Reference number: A44771;
A;Accession: A44771
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                                                                                                                                                                                                                                                                                                                                                                                  A; Residues: 1-148 < ROL>
                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |:|||:|| :|| :|| :| : |: | | |||||||| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| :|| 
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        UNIPARC: UPI0000020A69;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              37.9%; Score 157.5; DB 2;
46.7%; Pred. No. 1.5e-10;
46.7%; Mismatches 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12; Mismatches
        GB:J04467; NID:g193488; PIDN:AAA37685.1;
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                     PID:
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monocyte chemotactic protein-2 precursor - human
C.Species: Homo sapiens (man)
C.Jate: 02-May-1997 #sequence_revision 18-Jul-1997 #text_change 09-Jul-2004
C.Accession: JC5295
R.Yan Colllie, E.; Froyen, G.; Nomiyama, H.; Miura, R.; Fiten, P.; Van Aelst, I.; Van Da
Biochem. Biophys. Res. Commun. 231, 726-730, 1997
A.Title: Human monocyte chemotactic protein-2: cDNA cloning and regulated expression of
A.Reference number: JC5295
A.Molecule type: man
A.Accession: JC5295
A.Molecule type: man
A.Cooss-references: UNIPROT:P80075; UNIPARC:UPI0000030FC6; GB:Y10802; NID:g1924937; PIDN
A.Residues: 1-99 < VANA
A.Residues: 1-99 < VANA
C.Comment: This protein belongs to the beta-chemokine family which is one of the major H
tis and in tumor biology, and contribute to the trafficking and recuitment of the respon
C.Genetics:
A.Gene: mcp-2
C.Superfamily: macrophage inflammatory protein
F.1-23/Domain: signal sequence #status predicted <SIG>
F.24-99/Product: monocyte chemotactic protein-2 #status predicted <MAT>
immediate-early serum-responsive protein JE precursor - rat
N,Alternate names: monocyte chemoattractant protein-1
C;Species: Rattus norvegicus (Norway rat)
C;Date: 10-Sep-1999 #sequence revision 10-Sep-1999 #text_change 09-Jul-2004
C;Accession: S07723; JN0128
R;Timmers; H.T.M.; Pronk, G.J.; Bos, J.L.; van der Eb, A.J.
R;Tile: Analysis of the rat JE gene promoter identifies an AP-1 binding site essential
A;Attle: Analysis of the rat JE gene promoter identifies an AP-1 binding site essential
A;Attle: Analysis of the rat JE gene promoter identifies an AP-1 binding site essential
A;Accession: S07723; MUID:90174947; PMID:2106664
A;Accession: S07723; MUID:90174947; PMID:2106664
A;Accession: S07723; MUID:90174947; PMID:2106664
A;Residues: 1-148 <TIM-
A;Residues: 1-148 <TIM-
A;Cross-references: UNIPROT:P14844; UNIPARC:UPI000000187; EMBL:X17053; NID:g55530; PIDN
A;Cross-references: UNIPROT:P14844; UNIPARC:UPI000000187; EMBL:X17053; NID:g55530; PIDN
A;Cross-references: Commun. 174, 504-509, 1991
A;Title: Molecular cloning of rat monocyte chemoattractant protein-1 (MCP-1) and its exp
A;Accession: JN0128; MUID:91128376; PMID:1704226
A;Accession: JN0128; MUID:91128376; PMID:1704226
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C;Keywords: cytokine; glycoprotein
F;126/Binding site: carbohydrate (Asn) (covalent) #status predicted
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Best Local S
Matches 26
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     91 DQ 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13 PSECCETYTTYKIPRORIMDYYE-TNSOCSKPGIVFITKRGHSVCTNPSDKWVQDYIKDM 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      91 DRN 93
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26; Conserv
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26; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             35.0%; Score 145.5; DB 2; Length 99;
41.9%; Pred. No. 2.8e-09;
ative 11; Mismatches 24; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 148;
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A;Introns: 26/1; 65/2
C;Superfamily: macrophage inflammatory protein
C;1-23/Domain: signal sequence #status predicted <SIG>
F;1-23/Domain: signal sequence #status predicted of #status predicted
                                                                                                                                                                                                                                                                                                                                                                                             A;Molecule type: mRNA
A;Residues: 1-148 <705>
A;Residues: 1-148 <705>
A;Cross-references: UNIPARC:UPI0000000187; GB:M57441; NID:g205333; PIDN:AAA63496.1; PID:g
A;Experimental source: spleen cells
A;Experimental source: spleen cells
A;Note: the authors translated the codon GAA for residue 62 as Lys and GCT for residue 63
G;Genetics:
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                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                      Query Match
Best Local S
                                                                                          31 PLTCCYSFTGKMIPMSRLENYKRITSGRCPKEAVVFVTKLKREICADPNKEWVQKYIRKL 90
91 DQN 93
                                              72 KEN 74
                                                                                                                                            13 PSECCFTYTTYKIPRORIMDYYE-TNSOCSKPGIVFITKRGHSVCTNPSDKWVQDYIKDM
                                                                                                                                                                                              24;
                                                                                                                                                                                                                         Similarity
                                                                                                                                                                                              35.0%; Score 145.5; DB 1; ilarity 38.1%; Pred. No. 4.2e-09; Conservative 16; Mismatches 22;
                                                                                                                                                                                                                                                Length 148;
                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                     <MAT>
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Search completed: January 10, 2006, 23:00:09 Job time : 39 secs